



**Off-Base Drinking Water Sample Results,
Level 2 Laboratory Report, Level 4 Laboratory Report,
Electronic Data Deliverable, Data Validation Report,
and the Sample Location Figure, SDG 1803339**

*Naval Air Station Oceana
Virginia Beach, Virginia*

July 2019



October 26, 2018

Vista Work Order No. 1803339

Mr. Andrew Lairson
CH2M Hill
5701 Cleveland St, Suite 200
Virginia Beach, VA 23462

Dear Mr. Lairson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 16, 2018 under your Project Name '678440.SI.SI.01'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 www.vista-analytical.com

Vista Work Order No. 1803339

Case Narrative

Sample Condition on Receipt:

Two drinking water samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology.

Analytical Notes:

PFAS Isotope Dilution Method

The samples were extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537). The results for PFHxS, PFOA and PFOS include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The LCS/LCSD recoveries were within the acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1803339-01	OC-RW13-1018	15-Oct-18 09:52	16-Oct-18 09:45	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803339-02	OC-FB13-1018	15-Oct-18 09:54	16-Oct-18 09:45	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data				Laboratory Data							
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8J0158-BLK1	Column:	BEH C18				
Project:	678440.SI.SI.01										

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFHpA	375-85-9	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFHxS	355-46-4	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFOA	335-67-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFOS	1763-23-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFNA	375-95-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C4-PFHpA	IS	98.0	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
18O2-PFHxS	IS	104	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C2-PFOA	IS	94.8	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C8-PFOS	IS	98.5	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C5-PFNA	IS	83.5	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: LCSD **PFAS Isotope Dilution Method**

Name: CH2M Hill	Lab Sample: B8J0158-BS1/B8J0158-BSD1	Date Extracted: 18-Oct-18	
Project: 678440.SI.SI.01	QC Batch: B8J0158	Column: BEH C18	
Matrix: Aqueous	Samp Size: 0.125/0.125 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	375-73-5	63.8	80.0	79.8		66.5	80.0	83.1	4.02		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFHpA	375-85-9	69.6	80.0	87.0		72.4	80.0	90.5	3.99		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFHxS	355-46-4	62.5	80.0	78.1		73.0	80.0	91.2	15.5		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFOA	335-67-1	64.3	80.0	80.4		64.3	80.0	80.4	0.0259		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFOS	1763-23-1	58.7	80.0	73.3		68.0	80.0	85.0	14.7		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFNA	375-95-1	66.9	80.0	83.6		70.6	80.0	88.3	5.50		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C3-PFBS	IS	108		106		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C4-PFHpA	IS	98.7		95.2		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
18O2-PFHxS	IS	105		97.6		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C2-PFOA	IS	94.7		94.3		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C8-PFOS	IS	102		97.4		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C5-PFNA	IS	79.4		82.5		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1

Sample ID: OC-RW13-1018 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803339-01	Column:	BEH C18
Project:	678440.SI.SI.01	Date Collected:	15-Oct-18 09:52	Date Received:	16-Oct-18 09:45		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	100	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C4-PFHpA	IS	99.4	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
18O2-PFHxS	IS	98.5	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C2-PFOA	IS	95.5	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C8-PFOS	IS	99.3	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C5-PFNA	IS	99.1	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OC-FB13-1018 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803339-02	Column:	BEH C18
Project:	678440.SI.SI.01	Date Collected:	15-Oct-18 09:54	Date Received:	16-Oct-18 09:45		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHpA	375-85-9	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHxS	355-46-4	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOA	335-67-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOS	1763-23-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFNA	375-95-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C4-PFHpA	IS	99.5	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
18O2-PFHxS	IS	102	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C2-PFOA	IS	90.0	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C8-PFOS	IS	91.5	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C5-PFNA	IS	82.1	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	18-008-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-009
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-18-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1803339 Temp: 0.7 °C
 Storage ID: WE2 Storage Secured: Yes No

Project ID: 678440.SI.SI.01 PO#: 101002814 Sampler: M. Witmer/A Lairson
 (name)

TAT (check one): 21 days 14 days 7 days Specify: _____
 Standard: _____ Rush (surcharge may apply)

Invoice to: Name Juliana Dean Company CH2M Jacobs Address 5701 Cleveland St. Suite 200 City Virginia Beach, VA
 State _____ Ph# _____ Fax# _____

Relinquished by (printed name and signature) Andrew Lairson Date 10/15/18 Time 11:10
 Received by (printed name and signature) Kim Eric Date 10/16/18 Time 0945

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 Ph: (916) 673-1520; Fax: (916) 673-0106				Method of Shipment: <u>FEDEX</u>		Add Analysis(es) Requested		PFAS Isotope Dilution	USEPA Method 537	Comments				
ATTN: <u>Martha Maier</u>				Tracking No.: _____		Container(s)								
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	List of 21	List of 21 w/Isomers	List of 24	List of 24 w/Isomers	List of 28	Other - Please List Below	PFAS List 6	PFAS List 14
<u>0C-RW13-1018</u>	<u>10/15/18</u>	<u>9:52</u>		<u>2</u>	<u>P</u>	<u>DW</u>							<input checked="" type="checkbox"/>	
<u>0C-FB13-1018</u>	<u>10/15/18</u>	<u>9:54</u>		<u>2</u>	<u>P</u>	<u>DW</u>							<input checked="" type="checkbox"/>	

Special Instructions/Comments: _____
 Name: Andrew Lairson
 Company: CH2M Jacobs
 Address: 5701 Cleveland St, Suite 200
 City: Virginia Beach State: VA Zip: 23462
 Phone: 757-671-6397 Fax: _____
 Email: Andrew.Lairson@jacobs.com

Container Types: P= HDPE, PJ= HDPE Jar
 Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment,
 SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1803339 TAT 14 days

Samples Arrival:	Date/Time 10/16/18 0945	Initials: KE	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 10/16/18 1359	Initials: WWS	Location: WR-2
			Shelf/Rack: E-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GSO	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.8 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-4
Temp °C: 0.7 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk #	7734 7477 6582		
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Preservation Documented:	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input checked="" type="checkbox"/> None *
	<input type="checkbox"/> Other	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	

Comments:

* on sample label

October 26, 2018

Vista Work Order No. 1803339

Mr. Andrew Lairson
CH2M Hill
5701 Cleveland St, Suite 200
Virginia Beach, VA 23462

Dear Mr. Lairson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 16, 2018 under your Project Name '678440.SI.SI.01'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1803339

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Quality Control

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A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The LCS/LCSD recoveries were within the acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1803339-01	OC-RW13-1018	15-Oct-18 09:52	16-Oct-18 09:45	HDPE Bottle, 125 mL HDPE Bottle, 125 mL
1803339-02	OC-FB13-1018	15-Oct-18 09:54	16-Oct-18 09:45	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Aqueous	Lab Sample:	B8J0158-BLK1	Column:	BEH C18
Project:	678440.SI.SI.01						

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFHpA	375-85-9	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFHxS	355-46-4	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFOA	335-67-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFOS	1763-23-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
PFNA	375-95-1	ND	2.74	4.00	8.00		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C4-PFHpA	IS	98.0	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
18O2-PFHxS	IS	104	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C2-PFOA	IS	94.8	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C8-PFOS	IS	98.5	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1
13C5-PFNA	IS	83.5	50 - 150		B8J0158	18-Oct-18	0.125 L	24-Oct-18 20:41	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: LCSD

PFAS Isotope Dilution Method

Name:	CH2M Hill	Lab Sample:	B8J0158-BS1/B8J0158-BSD1	Date Extracted:	18-Oct-18
Project:	678440.SI.SI.01	QC Batch:	B8J0158	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.125/0.125 L		

Analyte	CAS Number	LCS (ng/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	375-73-5	63.8	80.0	79.8		66.5	80.0	83.1	4.02		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFHpA	375-85-9	69.6	80.0	87.0		72.4	80.0	90.5	3.99		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFHxS	355-46-4	62.5	80.0	78.1		73.0	80.0	91.2	15.5		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFOA	335-67-1	64.3	80.0	80.4		64.3	80.0	80.4	0.0259		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFOS	1763-23-1	58.7	80.0	73.3		68.0	80.0	85.0	14.7		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1
PFNA	375-95-1	66.9	80.0	83.6		70.6	80.0	88.3	5.50		70-130	30	24-Oct-18 20:20	1	24-Oct-18 20:31	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C3-PFBS	IS	108		106		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C4-PFHpA	IS	98.7		95.2		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
18O2-PFHxS	IS	105		97.6		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C2-PFOA	IS	94.7		94.3		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C8-PFOS	IS	102		97.4		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1
13C5-PFNA	IS	79.4		82.5		50-150	24-Oct-18 20:20	1	24-Oct-18 20:31	1

Sample ID: OC-RW13-1018 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803339-01	Column:	BEH C18
Project:	678440.SI.SI.01	Date Collected:	15-Oct-18 09:52	Date Received:	16-Oct-18 09:45		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	100	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C4-PFHpA	IS	99.4	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
18O2-PFHxS	IS	98.5	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C2-PFOA	IS	95.5	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C8-PFOS	IS	99.3	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
13C5-PFNA	IS	99.1	50 - 150		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1

DL - Detection Limit

LOD - Limit of Detection

LOQ - Limit of quantitation

Results reported to the DL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OC-FB13-1018 **PFAS Isotope Dilution Method**

Client Data				Laboratory Data			
Name:	CH2M Hill	Matrix:	Drinking Water	Lab Sample:	1803339-02	Column:	BEH C18
Project:	678440.SI.SI.01	Date Collected:	15-Oct-18 09:54	Date Received:	16-Oct-18 09:45		

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHpA	375-85-9	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHxS	355-46-4	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOA	335-67-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOS	1763-23-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFNA	375-95-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C4-PFHpA	IS	99.5	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
18O2-PFHxS	IS	102	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C2-PFOA	IS	90.0	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C8-PFOS	IS	91.5	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C5-PFNA	IS	82.1	50 - 150		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1

DL - Detection Limit

LOD - Limit of Detection

Results reported to the DL.

LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limits of Detection
LOQ	Limits of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
Q	Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	18-008-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Minnesota Department of Health	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-009
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-18-8
Virginia Department of General Services	9077
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 1803339 Temp: 0.7 °C
 Storage ID: WE2 Storage Secured: Yes No

Project ID: 678440.SI.SI.01 PO#: 101002814 Sampler: M. Witmer/A Lairson
 (name)

TAT (check one): 21 days 14 days 7 days
 Standard: 21 days Rush (surcharge may apply) Specify: _____

Invoice to: Name Juliana Dean Company CH2M Jacobs Address 5701 Cleveland St. Suite 200 City Virginia Beach, VA State _____ Ph# _____ Fax# _____
 Relinquished by (printed name and signature) Andrew Lairson Date 10/15/18 Time 11:10 Received by (printed name and signature) Kim Eric Date 10/16/18 Time 0945

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 Ph: (916) 673-1520; Fax: (916) 673-0106				Method of Shipment: <u>FEDEX</u>		Add Analysis(es) Requested		PFAS Isotope Dilution	USEPA Method 537	Comments				
ATTN: <u>Martha Maier</u>				Tracking No.: _____		Container(s)								
Sample ID	Date	Time	Location/Sample Description	Quantity	Type	Matrix	List of 21	List of 21 w/Isomers	List of 24	List of 24 w/Isomers	List of 28	Other - Please List Below	PFAS List 6	PFAS List 14
<u>0C-RW13-1018</u>	<u>10/15/18</u>	<u>9:52</u>	<u>9:52</u>	<u>2</u>	<u>P</u>	<u>DW</u>							<input checked="" type="checkbox"/>	
<u>0C-FB13-1018</u>	<u>10/15/18</u>	<u>9:54</u>		<u>2</u>	<u>P</u>	<u>DW</u>							<input checked="" type="checkbox"/>	

Special Instructions/Comments: _____
 Name: Andrew Lairson
 Company: CH2M Jacobs
 Address: 5701 Cleveland St, Suite 200
 City: Virginia Beach State: VA Zip: 23462
 Phone: 757-671-6397 Fax: _____
 Email: Andrew.Lairson@jacobs.com

Container Types: P= HDPE, PJ= HDPE Jar
 Bottle Preservation Type: T = Thiosulfate, TZ = Trizma:
 Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other:

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1803339 TAT 14 days

Samples Arrival:	Date/Time 10/16/18 0945	Initials: KE	Location: WR-2
			Shelf/Rack: NA
Logged In:	Date/Time 10/16/18 1359	Initials: MWS	Location: WR-2
			Shelf/Rack: E-2
Delivered By:	<input checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS	<input type="checkbox"/> On Trac
		<input type="checkbox"/> GSO	<input type="checkbox"/> DHL
		<input type="checkbox"/> Hand Delivered	<input type="checkbox"/> Other
Preservation:	<input checked="" type="checkbox"/> Ice	<input type="checkbox"/> Blue Ice	<input type="checkbox"/> Dry Ice
	<input type="checkbox"/> None		
Temp °C: 0.8 (uncorrected)	Probe used: Y / <input checked="" type="checkbox"/> N		Thermometer ID: IR-4
Temp °C: 0.7 (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trk #	7734 7477 6582		
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Preservation Documented:	<input type="checkbox"/> Na ₂ S ₂ O ₃	<input type="checkbox"/> Trizma	<input checked="" type="checkbox"/> None *
	<input type="checkbox"/> Other	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Shipping Container	<input checked="" type="checkbox"/> Vista	<input type="checkbox"/> Client	<input checked="" type="checkbox"/> Retain
	<input type="checkbox"/> Return	<input type="checkbox"/> Dispose	

Comments:

* on sample label

EXTRACTION INFORMATION

Process Sheet
Workorder: 1803339

Prep Expiration: 2018-Oct-29
 Client: CH2M Hill

Workorder Due: 30-Oct-18 00:00

TAT: 14

Method: **537M PFAS DOD (LOQ as mRL)**
 Matrix: **Aqueous**

Prep Batch: B850158

Version: UCMR 3 (6 Analyte)
 DoD: **DoD QSM 5.1**

Prep Data Entered: 10/19/18 mac
Date and Initials

Initial Sequence: S850060

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1803339-01	"A"	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OC-RW13-1018		WR-2 E-2	HDPE Bottle, 125 mL
1803339-02	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	OC-FB13-1018		WR-2 E-2	HDPE Bottle, 125 mL

WO Comments: List of 6, include Total PFOA.

Pre-Prep Check Out: HB 10/17/18

Prep Check Out: JB 10/18/18

Prep Reconciled Initials/Date: HB 10/17/18

Pre-Prep Check In: HB 10/17/18

Prep Check In: NA

Spike Reconciled Initials/Date: JB 10/18/18

VialBoxID: gyoza

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8J0158

Chemist: JR

Prep Date: 10/18/18

Prep Time: 0720

Prepared using: LCMS - SPE Extraction-LCMS

		Date/Initials: <u>HB 10/17/18</u>				Balance ID: <u>HRMS-10</u>					
Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
<input type="checkbox"/>	B8J0158-BLK1 [ⓑ]	5	2	0	1	NA	NA	(0.125) ✓	JR 10/18/18	JR 10/18/18	JR 10/18/18
<input type="checkbox"/>	B8J0158-BS1	5	2	0	1	↓	↓	(0.125) ✓	↓	↓	↓
<input type="checkbox"/>	B8J0158-BSD1	5	2	0	1	↓	↓	(0.125) ✓	↓	↓	↓
<input type="checkbox"/>	1803339-01	6	2	0	2	148.76	26.96	0.12180 ✓	↓	↓	↓
<input type="checkbox"/>	1803339-02	4	2	0	1	151.60	26.97	0.12463 ✓	↓	↓	↓
<input type="checkbox"/>	1803342-01 [Ⓐ]	4	2	0	1	150.09	26.89	0.12320	↓	↓	↓
<input type="checkbox"/>	1803342-02 [Ⓐ]	4	2	0	1	141.79	26.95	0.11484	↓	↓	↓
<input type="checkbox"/>	1803342-03 [Ⓐ]	5	2	0	1	137.16	26.76	0.11040	↓	↓	↓
<input type="checkbox"/>	1803342-04 [Ⓐ]	4	2	0	1	144.99	26.87	0.11812	↓	↓	↓
<input type="checkbox"/>	1803342-05	4	2	0	1	147.95	27.01	0.12094	↓	↓	↓

IS: <u>18H1301, 10µL</u> [ⓐ]	SPE Chem: <u>Std X-AW 33µm 200mg/mL</u>	Notes: [Ⓐ] Cartridge pass through shows discoloration, requires high volume to SPE samples. Call 10/16/18 [Ⓑ] ENVI-Carb used. Lot# 10262101
IS SUP: <u>NA</u>	Ele SOLV: <u>MeOH/0.5% NH₄OH in MeOH</u>	
NS: <u>18H1304, 10µL</u> [ⓐ]	Final Volume(s) <u>1 mL</u>	
RS: <u>18H1302, 10µL</u> [ⓐ]		

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

Batch: B8J0158

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1803339-01	0.1218 ✓	NA	NA	1000	18-Oct-18 07:20	JMR			Drinking Water	537M PFAS DOD (LOQ as
1803339-02	0.12463 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Drinking Water	537M PFAS DOD (LOQ as
1803342-01	0.1232 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Aqueous	537M PFAS DOD (LOQ as
1803342-02	0.11484 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Aqueous	537M PFAS DOD (LOQ as
1803342-03	0.1104 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Aqueous	537M PFAS DOD (LOQ as
1803342-04	0.11812 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Aqueous	537M PFAS DOD (LOQ as
1803342-05	0.12094 ✓	↓	↓	1000	18-Oct-18 07:20	JMR			Aqueous	537M PFAS DOD (LOQ as
B8J0158-BLK1	0.125 ✓	↓	↓	1000	18-Oct-18 07:20	JMR				QC
B8J0158-BS1	0.125 ✓	↓	↓	1000	18-Oct-18 07:20	JMR	18H1304 ✓	10 ✓		QC
B8J0158-BSD1	0.125 ✓	↓	↓	1000	18-Oct-18 07:20	JMR	18H1304 ✓	10 ✓		QC

MAC 10/19/18

Sample Data – PFAS Isotope Dilution Method

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-55.qld

Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8		6.70e3	0.125							
2	2 PFPeA	263.1 > 218.9		8.40e3	0.125							
3	3 PFBS	299.0 > 79.7		1.56e3	0.125							
4	4 4:2 FTS	327.2>307.2		2.56e3	0.125							
5	5 PFHxA	313 > 269		6.44e3	0.125							
6	36 13C3-PFBA	216.1 > 171.8	6.70e3	8.99e3	0.125	0.739	1.34	9.32	100.9063	100.9		
7	37 13C3-PFPeA	266. > 221.8	8.40e3	1.58e4	0.125	0.587	2.63	6.63	90.3118	90.3		
8	38 13C3-PFBS	302. > 98.8	1.56e3	3.05e3	0.125	0.488	2.95	6.38	104.4886	104.5		
9	39 13C2-4:2 FTS	329.2>308.9	2.56e3	3.05e3	0.125	0.894	3.42	10.5	93.8659	93.9		
10	40 13C2-PFHxA	315 > 270	6.44e3	1.58e4	0.125	1.002	3.51	5.08	40.5408	101.4		
11	-1											
12	6 PFPeS	349.1>80.1		1.56e3	0.125							
13	7 PFHpA	363.0 > 318.9		7.97e3	0.125							
14	8 L-PFHxS	398.9 > 79.6		1.26e3	0.125							
15	68 Total PFHxS	398.9 > 79.6	0.00e0	1.26e3	0.125			0.000				
16	10 6:2 FTS	427.1 > 407		2.27e3	0.125							
17	38 13C3-PFBS	302. > 98.8	1.56e3	3.05e3	0.125	0.488	2.95	6.38	104.4886	104.5		
18	41 13C4-PFHpA	367.2 > 321.8	7.97e3	1.58e4	0.125	0.513	4.14	6.29	98.0232	98.0		
19	42 18O2-PFHxS	403.0 > 102.6	1.26e3	3.05e3	0.125	0.397	4.27	5.16	104.1896	104.2		
20	42 18O2-PFHxS	403.0 > 102.6	1.26e3	3.05e3	0.125	0.397	4.27	5.16	104.1896	104.2		
21	43 13C2-6:2 FTS	429.1 > 408.9	2.27e3	3.34e3	0.125	0.846	4.56	8.50	80.4145	80.4		
22	-1											
23	11 L-PFOA	412.8 > 368.9		1.28e4	0.125							
24	69 Total PFOA	412.8 > 368.9	0.00e0	1.28e4	0.125			0.000				
25	13 PFHpS	449 > 80.0		3.36e3	0.125							
26	16 L-PFOS	498.9 > 79.9		3.36e3	0.125							
27	70 Total PFOS	498.9 > 79.9	0.00e0	3.36e3	0.125			0.000				
28	44 13C2-PFOA	414.9 > 369.7	1.28e4	1.87e4	0.125	0.720	4.61	8.53	94.7879	94.8		
29	44 13C2-PFOA	414.9 > 369.7	1.28e4	1.87e4	0.125	0.720	4.61	8.53	94.7879	94.8		
30	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
31	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
32	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
33	-1											
34	14 PFNA	463.0 > 418.8		1.08e4	0.125							
35	15 PFOSA	497.9 > 77.9		2.17e3	0.125							
36	18 PFDA	513 > 468.8		1.12e4	0.125							

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Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9		1.61e3	0.125							
38	20 PFNS	549.1 > 80.1		3.36e3	0.125							
39	45 13C5-PFNA	468.2 > 422.9	1.08e4	1.33e4	0.125	0.969	5.04	10.1	83.4906	83.5		
40	46 13C8-PFOA	506.1 > 77.7	2.17e3	2.37e4	0.125	0.296	5.07	1.14	30.9364	30.9		
41	48 13C2-PFDA	515.1 > 469.9	1.12e4	1.56e4	0.125	1.040	5.41	8.98	69.0396	69.0		
42	49 13C2-8:2 FTS	529.1 > 508.7	1.61e3	3.34e3	0.125	0.591	5.38	6.04	81.7627	81.8		
43	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
44	-1											
45	21 L-MeFOSAA	570 > 419		1.15e3	0.125							
46	71 Total N-MeFOSAA	570. > 419	0.00e0	1.15e3	0.125			0.000				
47	23 L-EtFOSAA	584.1 > 419		1.70e3	0.125							
48	72 Total N-EtFOSAA	584.1 > 419	0.00e0	1.70e3	0.125			0.000				
49	25 PFUdA	563.0 > 518.9		1.51e4	0.125							
50	50 d3-N-MeFOSAA	573.3 > 419	1.15e3	2.37e4	0.125	0.055	5.56	0.608	88.7137	88.7		
51	50 d3-N-MeFOSAA	573.3 > 419	1.15e3	2.37e4	0.125	0.055	5.56	0.608	88.7137	88.7		
52	52 d5-N-EtFOSAA	589.3 > 419	1.70e3	2.37e4	0.125	0.091	5.71	0.895	78.5771	78.6		
53	52 d5-N-EtFOSAA	589.3 > 419	1.70e3	2.37e4	0.125	0.091	5.71	0.895	78.5771	78.6		
54	51 13C2-PFUdA	565 > 519.8	1.51e4	2.37e4	0.125	0.961	5.73	7.96	66.3082	66.3		
55	-1											
56	26 PFDS	598.8 > 79.9		3.36e3	0.125							
57	27 PFDoA	612.9 > 569.0		1.45e4	0.125							
58	29 PFTTrDA	662.9 > 618.9		1.45e4	0.125							
59	30 PFTeDA	713.0 > 669.0		1.13e4	0.125							
60	28 N-MeFOSA	512.1 > 168.9			0.125							
61	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
62	53 13C2-PFDoA	615.0 > 569.7	1.45e4	1.56e4	0.125	1.103	6.00	11.6	84.4680	84.5		
63	53 13C2-PFDoA	615.0 > 569.7	1.45e4	1.56e4	0.125	1.103	6.00	11.6	84.4680	84.5		
64	55 13C2-PFTeDA	715.1 > 669.7	1.13e4	2.37e4	0.125	0.561	6.46	5.97	85.2104	85.2		
65	54 d3-N-MeFOSA	515.2 > 168.9		2.37e4	0.125	0.076						
66	-1											
67	31 N-EtFOSA	526.1 > 168.9			0.125							
68	32 PFHxDA	813.1 > 768.6	4.92e1	6.36e3	0.125		6.78	0.0387			32.3	YES
69	33 PFOA	913.1 > 868.8	5.34e1	6.36e3	0.125		6.78	0.0420	0.1447			
70	34 N-MeFOSE	616.1 > 58.9		3.53e1	0.125							
71	35 N-EtFOSE	630.1 > 58.9		2.01e1	0.125							
72	56 d5-N-ETFOSA	531.1 > 168.9		2.37e4	0.125	0.101						

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#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	6.36e3	2.37e4	0.125	0.699	6.78	3.35	38.3496	95.9		
74	57 13C2-PFHxDA	815 > 769.7	6.36e3	2.37e4	0.125	0.699	6.78	3.35	38.3496	95.9		
75	58 d7-N-MeFOSE	623.1 > 58.9	3.53e1	2.37e4	0.125	0.093	6.45	0.0186	1.6017	0.1		
76	59 d9-N-EtFOSE	639.2 > 58.8	2.01e1	2.37e4	0.125	0.085	6.59	0.0106	1.0030	0.1		
77	-1											
78	73 TCDA	498.3>106.9			0.125							
79	61 13C5-PFHxA	318 > 272.9	1.58e4	1.58e4	0.125	1.000	3.51	12.5	100.0000	100.0		
80	60 13C4-PFBA	217. > 172	8.99e3	8.99e3	0.125	1.000	1.33	12.5	100.0000	100.0		
81	62 13C3-PFHxS	401.8 > 79.9	3.05e3	3.05e3	0.125	1.000	4.27	12.5	100.0000	100.0		
82	63 13C8-PFOA	420.9 > 376	1.87e4	1.87e4	0.125	1.000	4.61	12.5	100.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	3.36e3	3.34e3	0.125	1.023	5.12	12.6	98.5081	98.5		
84	64 13C9-PFNA	472.2 > 426.9	1.33e4	1.33e4	0.125	1.000	5.04	12.5	100.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	3.34e3	3.34e3	0.125	1.000	5.12	12.5	100.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	1.56e4	1.56e4	0.125	1.000	5.41	12.5	100.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	2.37e4	2.37e4	0.125	1.000	5.73	12.5	100.0000	100.0		

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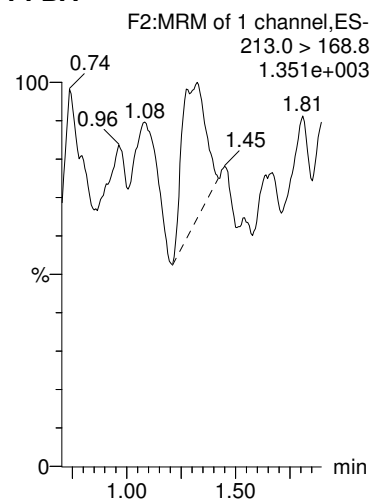
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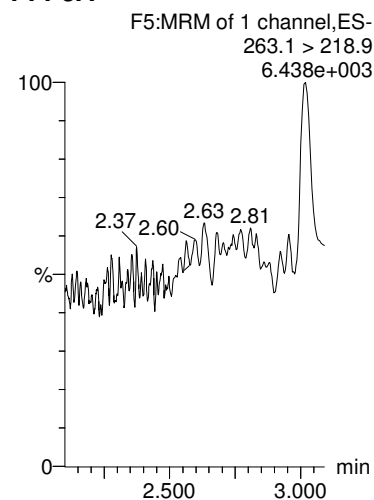
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Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

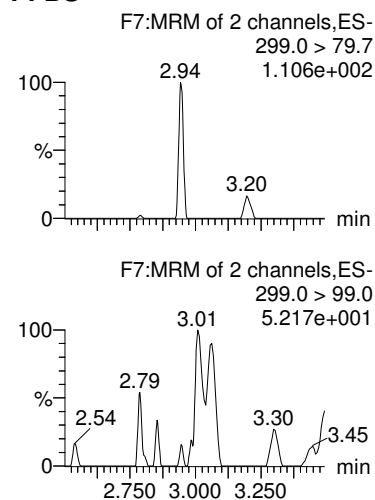
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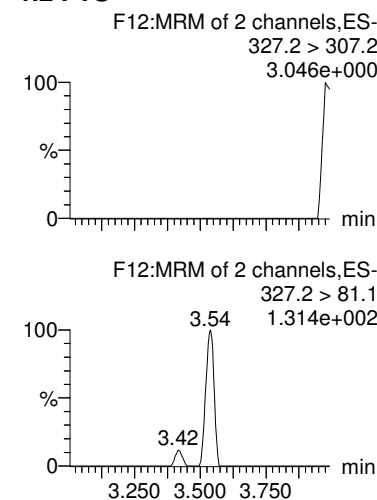
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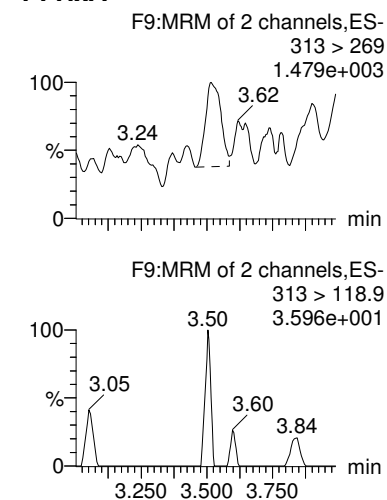
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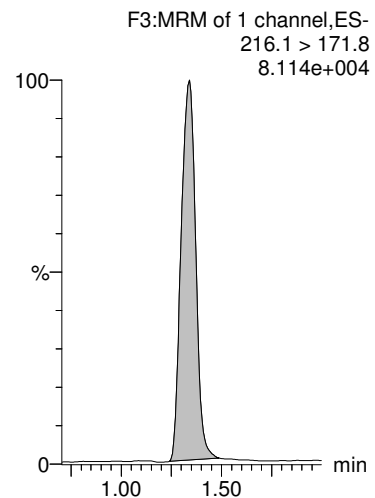
4:2 FTS



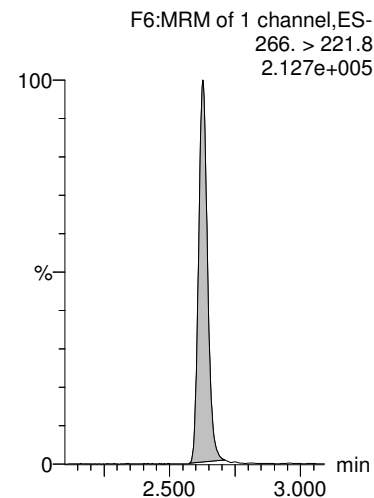
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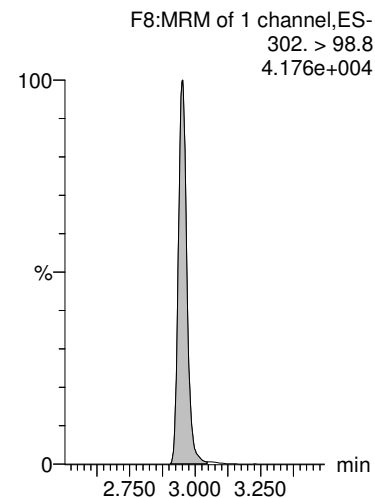
13C3-PFBA



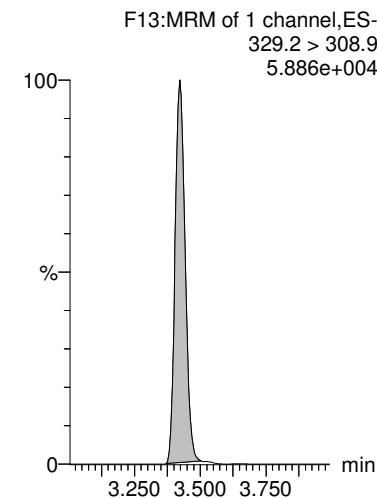
13C3-PFPeA



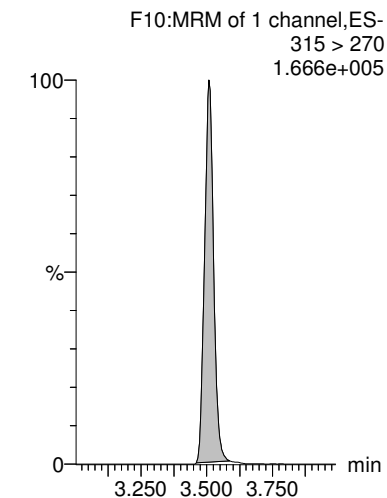
13C3-PFBS



13C2-4:2 FTS



13C2-PFHxA



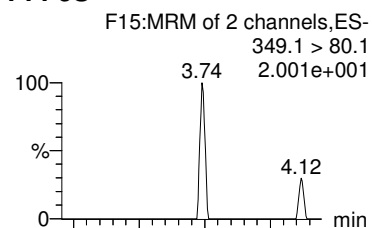
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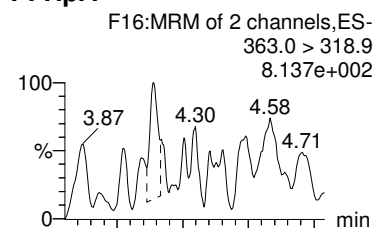
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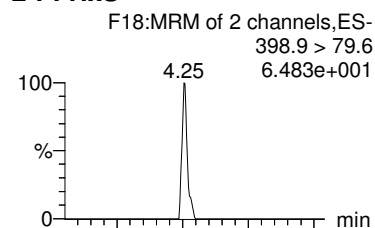
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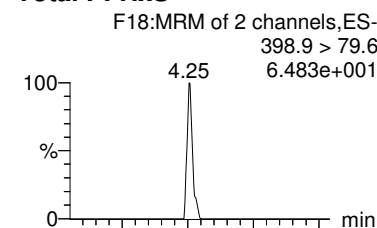
PFHpA



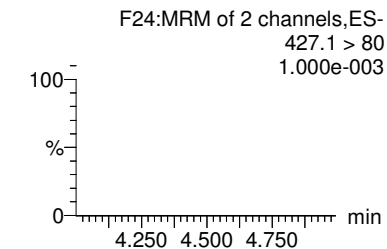
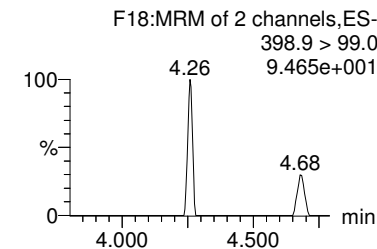
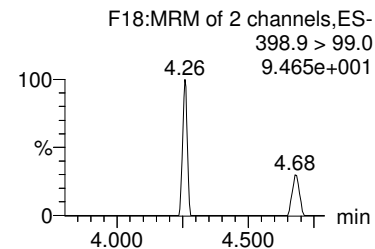
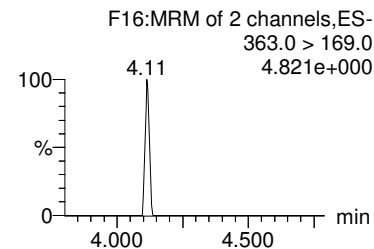
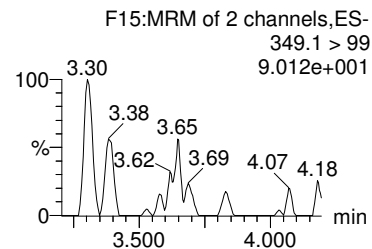
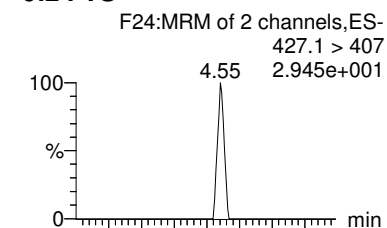
L-PFHxS



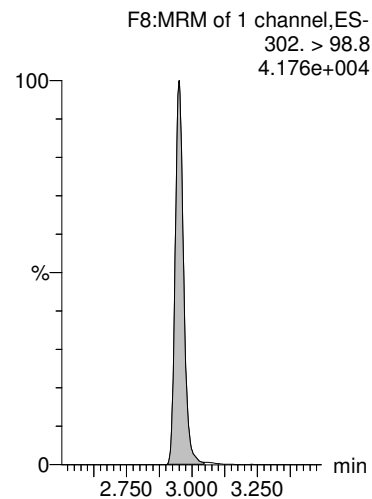
Total PFHxS



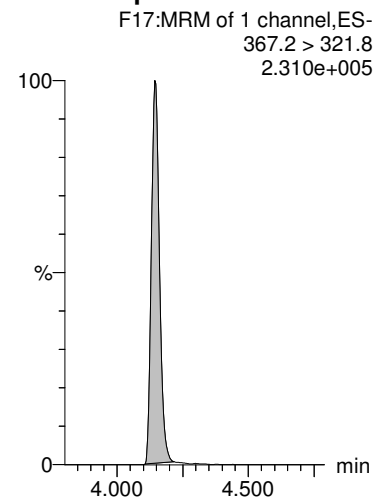
6:2 FTS



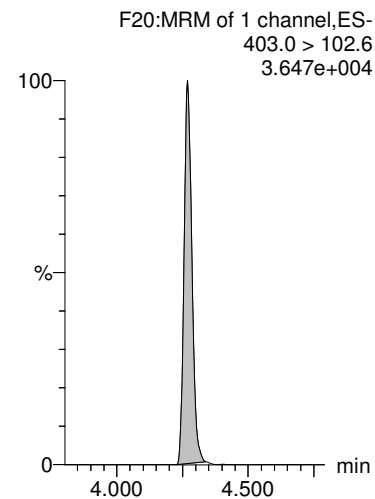
13C3-PFBS



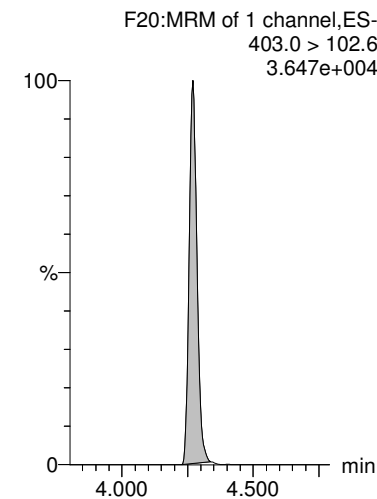
13C4-PFHpA



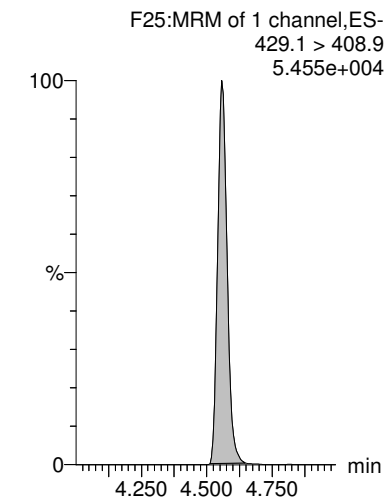
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



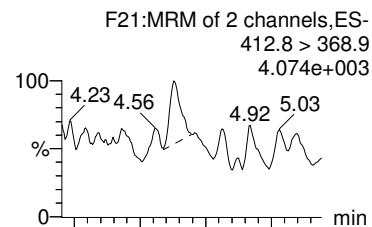
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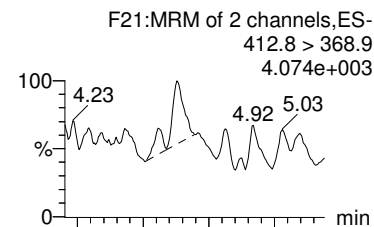
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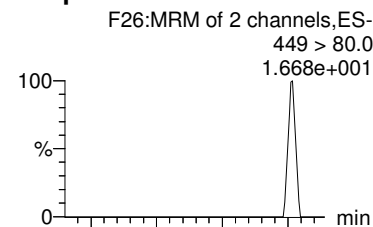
L-PFOA



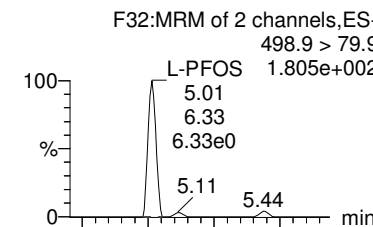
Total PFOA



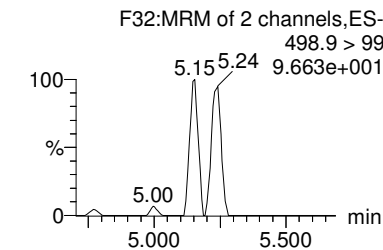
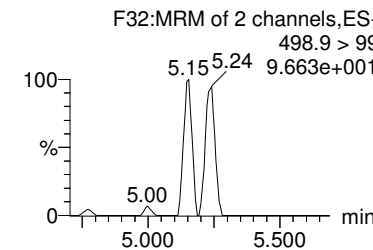
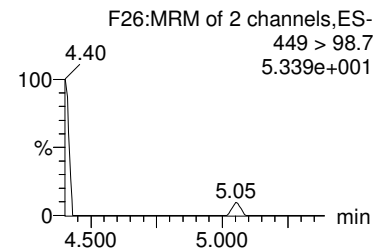
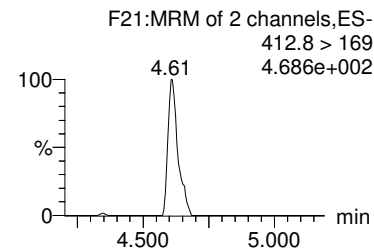
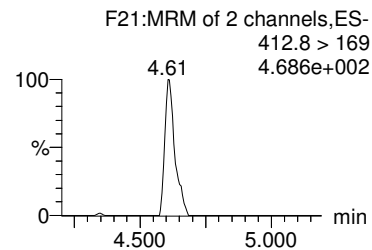
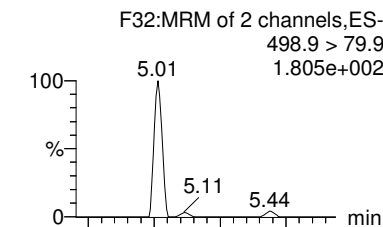
PFHpS



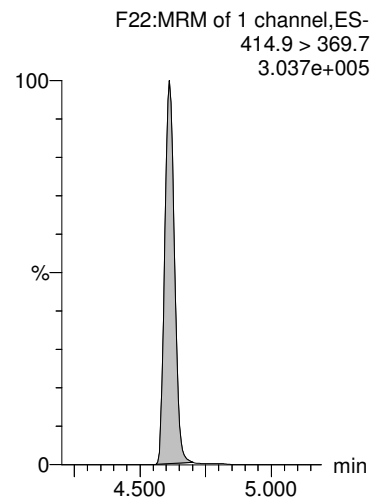
L-PFOS



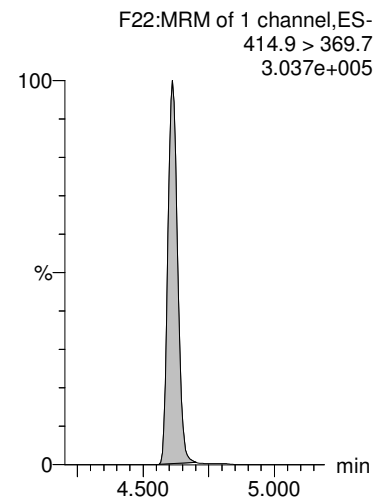
Total PFOS



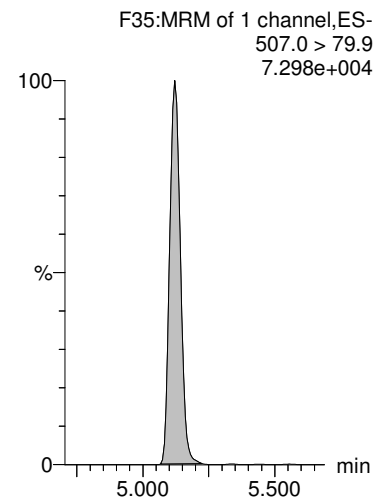
13C2-PFOA



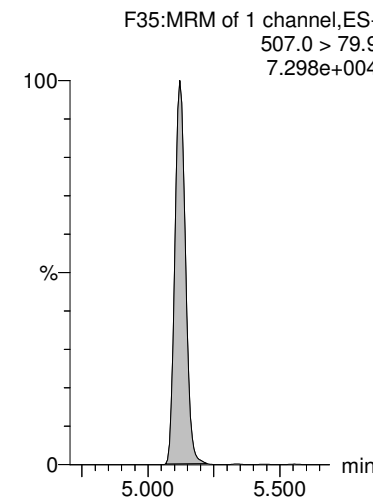
13C2-PFOA



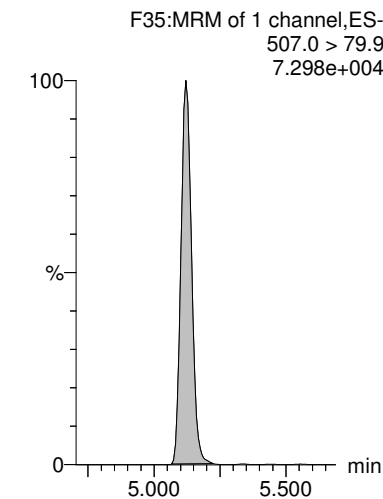
13C8-PFOS



13C8-PFOS



13C8-PFOS



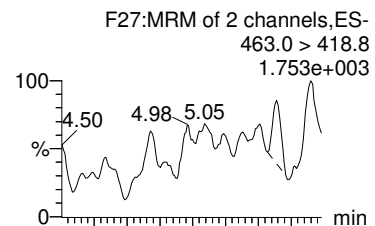
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Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

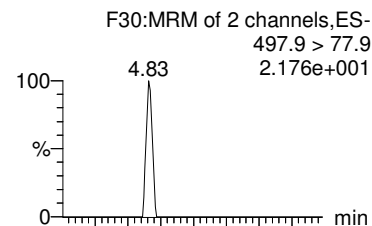
Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

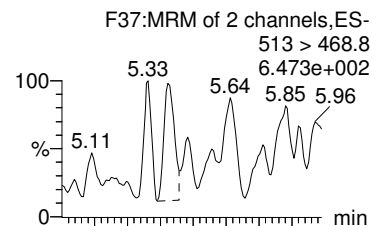
PFNA



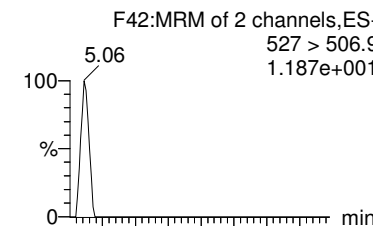
PFOSA



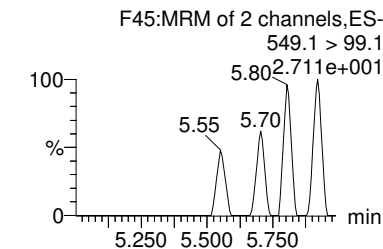
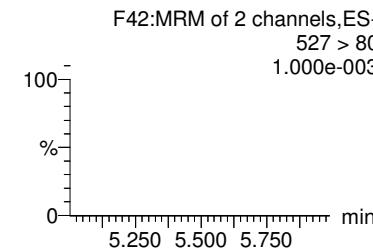
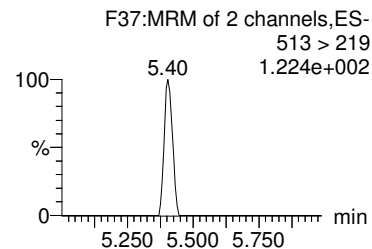
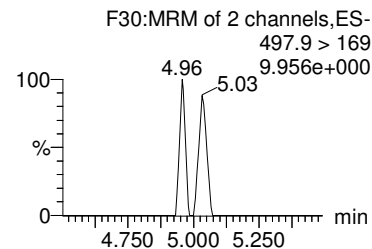
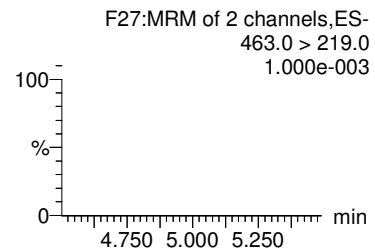
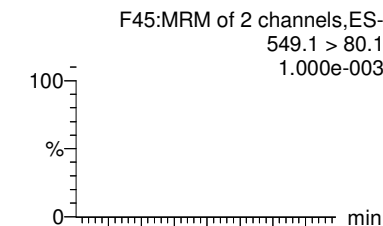
PFDA



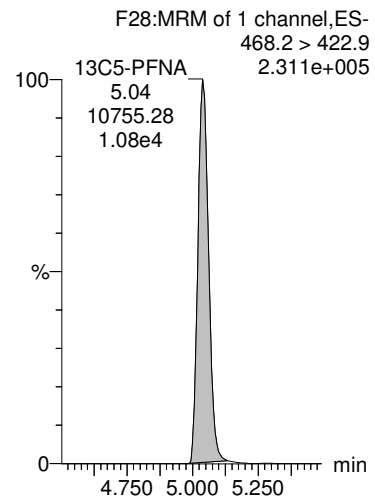
8:2 FTS



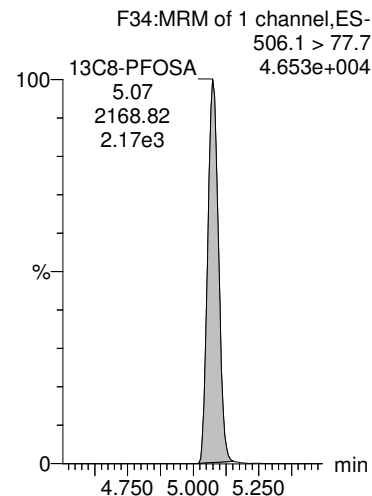
PFNS



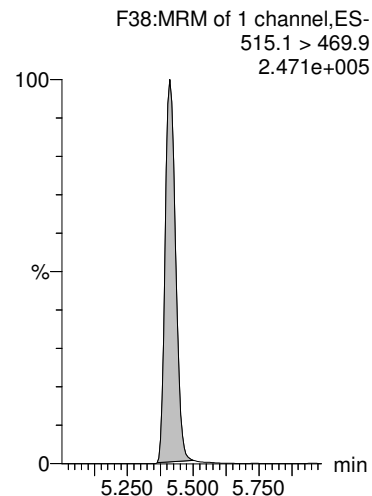
13C5-PFNA



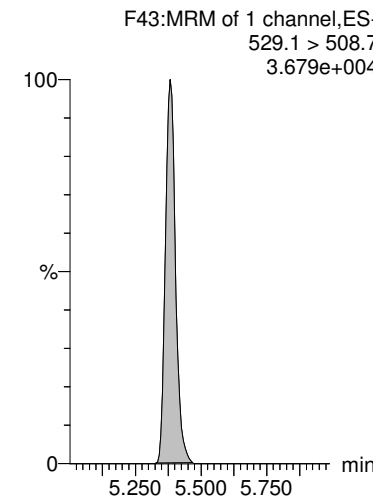
13C8-PFOSA



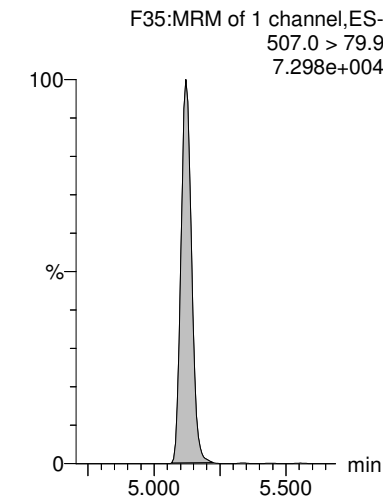
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-55.qld

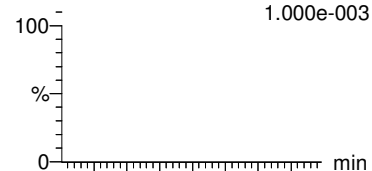
Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

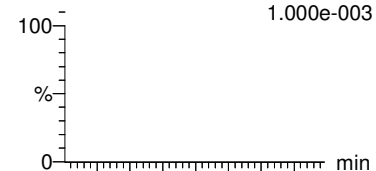
L-MeFOSAA

F48:MRM of 2 channels,ES-
570 > 419
1.000e-003



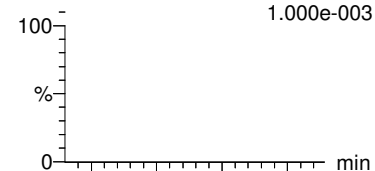
Total N-MeFOSAA

F48:MRM of 2 channels,ES-
570 > 419
1.000e-003



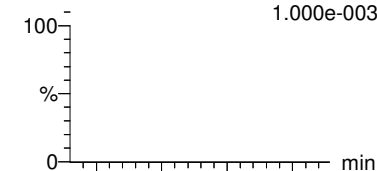
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
1.000e-003



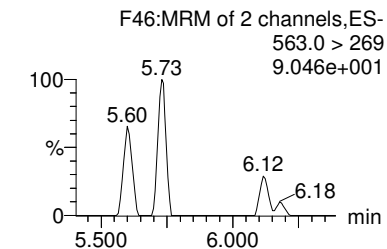
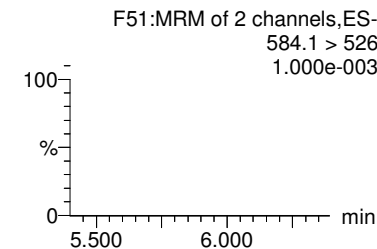
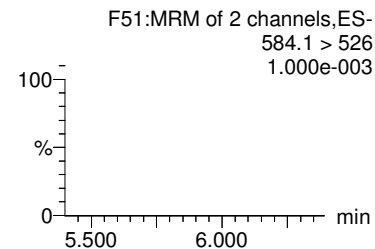
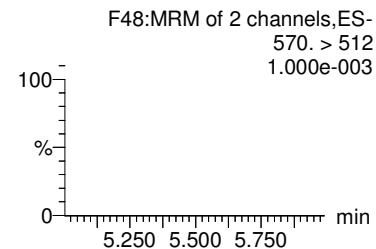
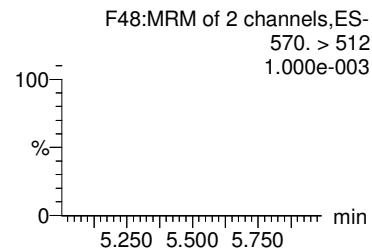
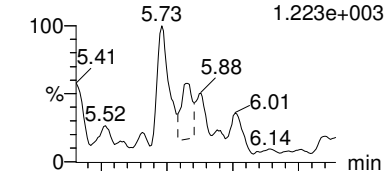
Total N-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
1.000e-003



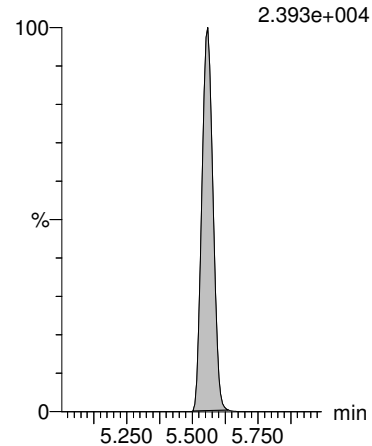
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
1.223e+003



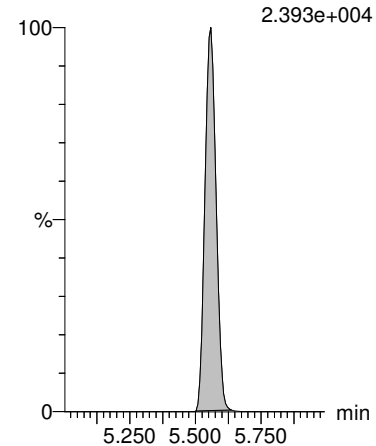
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
2.393e+004



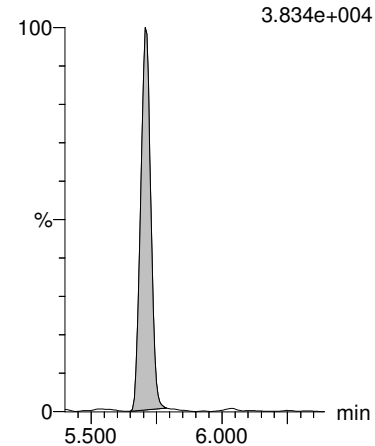
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
2.393e+004



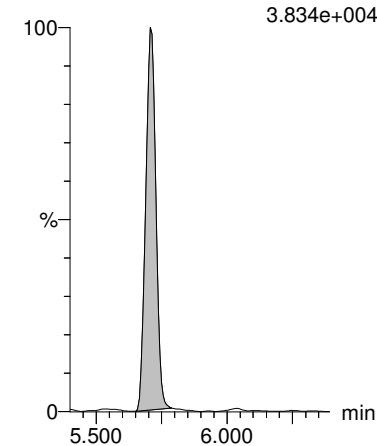
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
3.834e+004



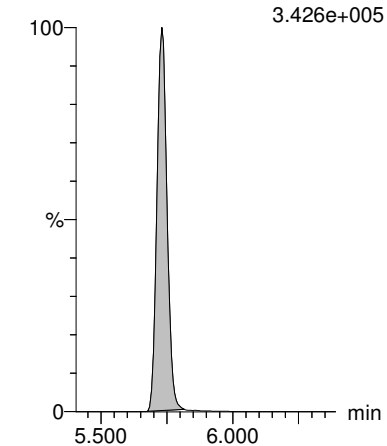
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
3.834e+004



13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
3.426e+005



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-55.qld

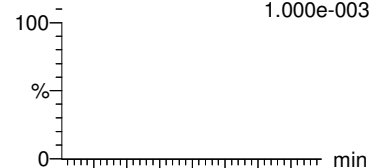
Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

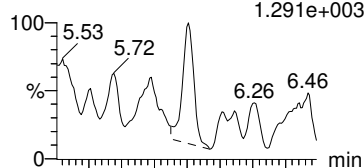
PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
1.000e-003



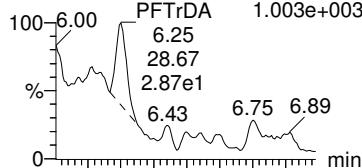
PFD0A

F54:MRM of 4 channels,ES-
612.9 > 569.0
1.291e+003



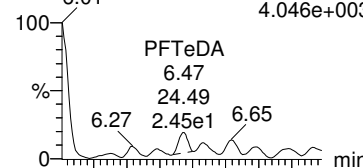
PFTTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
1.003e+003



PFTeDA

F61:MRM of 2 channels,ES-
713.0 > 669.0
4.046e+003

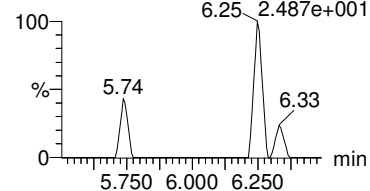


N-MeFOSA

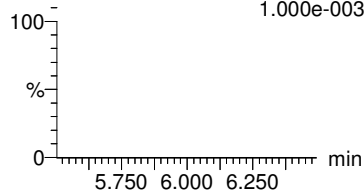
F36:MRM of 2 channels,ES-
512.1 > 168.9
1.000e-003



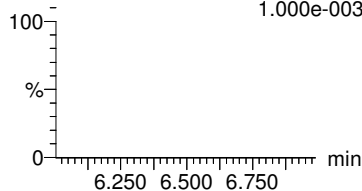
F53:MRM of 2 channels,ES-
598.8 > 98.9
2.487e+001



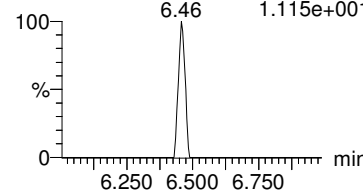
F54:MRM of 4 channels,ES-
612.9 > 318.8
1.000e-003



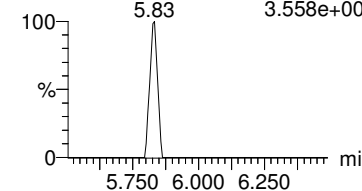
F60:MRM of 2 channels,ES-
662.9 > 319
1.000e-003



F61:MRM of 2 channels,ES-
713.0 > 369.0
1.115e+001

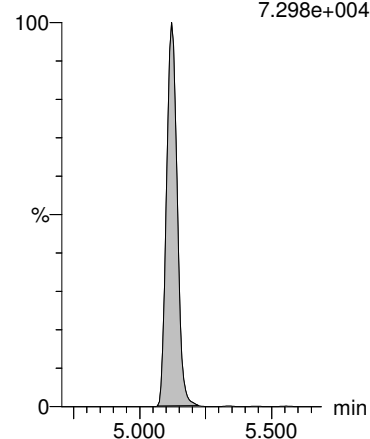


F36:MRM of 2 channels,ES-
512.1 > 219
3.558e+001



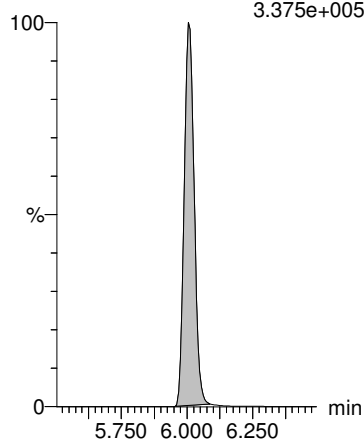
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.298e+004



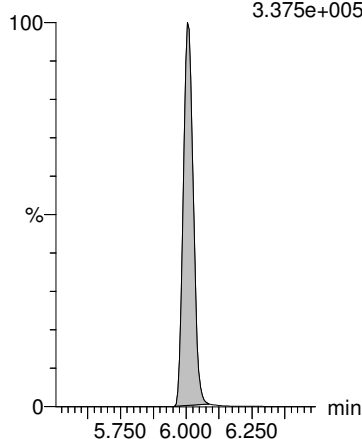
13C2-PFD0A

F55:MRM of 2 channels,ES-
615.0 > 569.7
3.375e+005



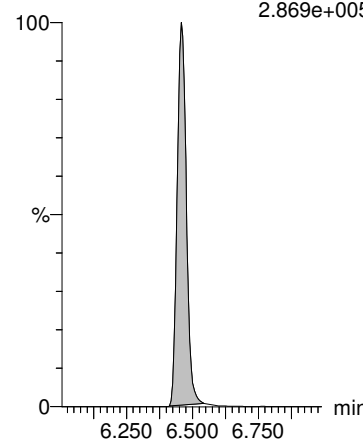
13C2-PFD0A

F55:MRM of 2 channels,ES-
615.0 > 569.7
3.375e+005



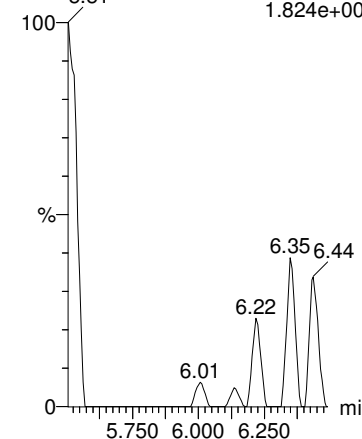
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.1 > 669.7
2.869e+005



d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
1.824e+002



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-55.qld

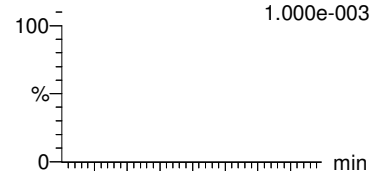
Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

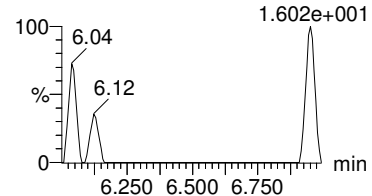
Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
1.000e-003

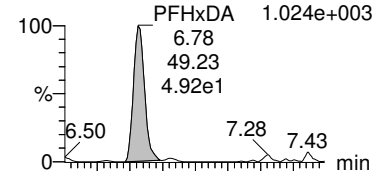


F41:MRM of 2 channels,ES-
526.1 > 219
1.602e+001

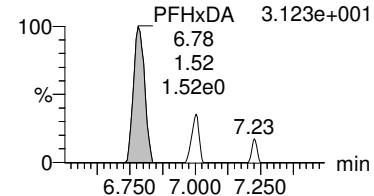


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.024e+003

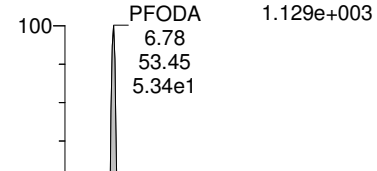


F63:MRM of 2 channels,ES-
813.1 > 219
3.123e+001

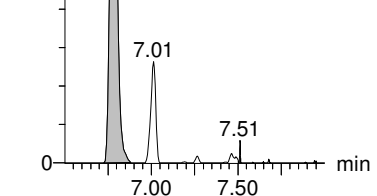


PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.129e+003

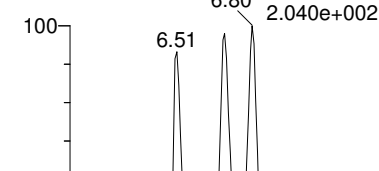


F65:MRM of 1 channel,ES-
913.1 > 219
5.34e1



N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
2.040e+002



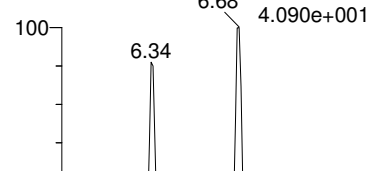
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
7.172.450e+002



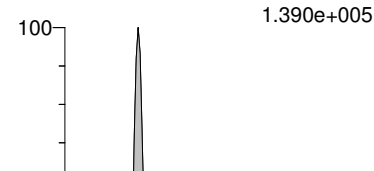
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
4.090e+001



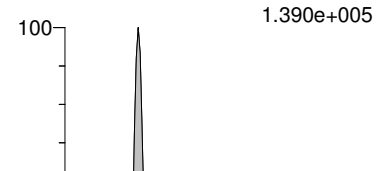
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.390e+005



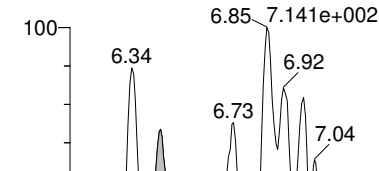
13C2-PFODA

F64:MRM of 1 channel,ES-
815 > 769.7
1.390e+005



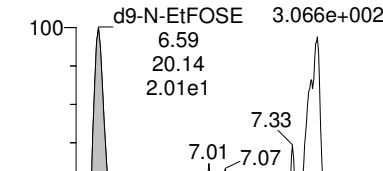
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
7.141e+002



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
3.066e+002



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-55.qld

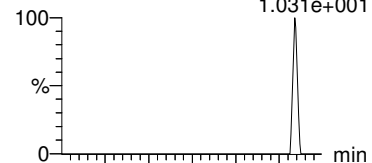
Last Altered: Thursday, October 25, 2018 09:33:47 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:34:31 Pacific Daylight Time

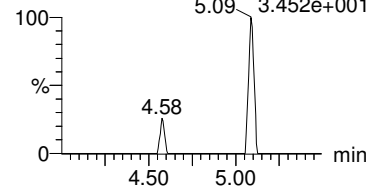
Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

TCDA

F31:MRM of 3 channels,ES-
498.3 > 106.9
1.031e+001

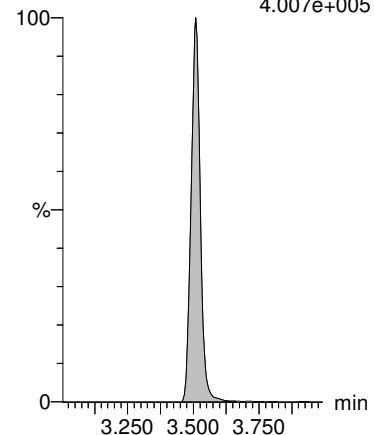


F31:MRM of 3 channels,ES-
498.3 > 123.9
5.09 3.452e+001



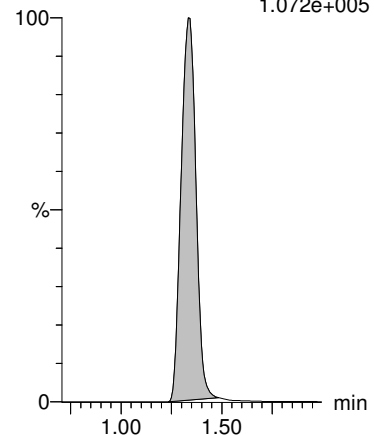
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.007e+005



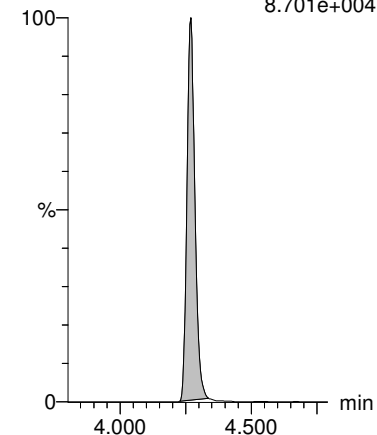
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.072e+005



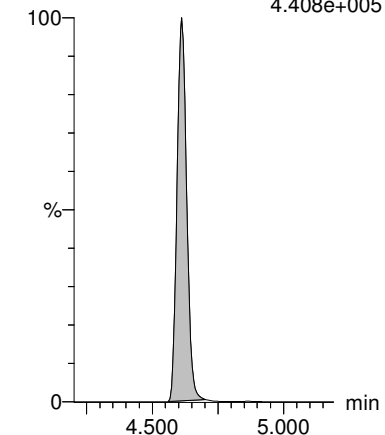
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.701e+004



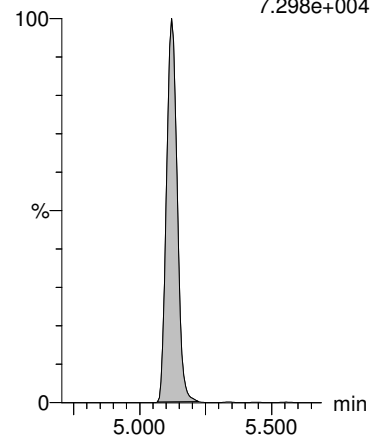
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
4.408e+005



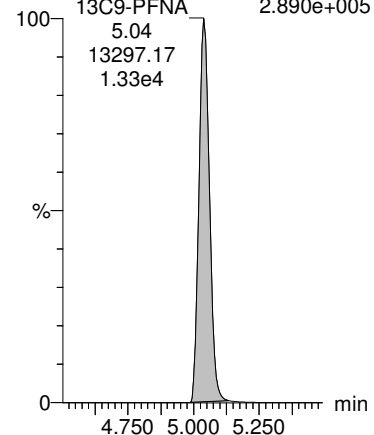
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.298e+004



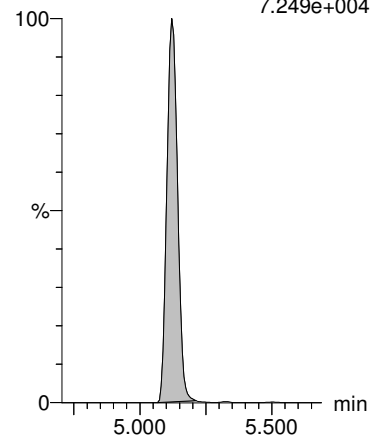
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.890e+005



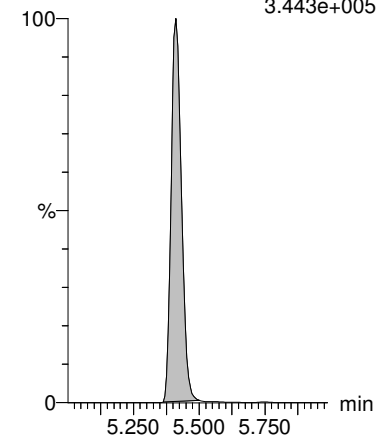
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.249e+004



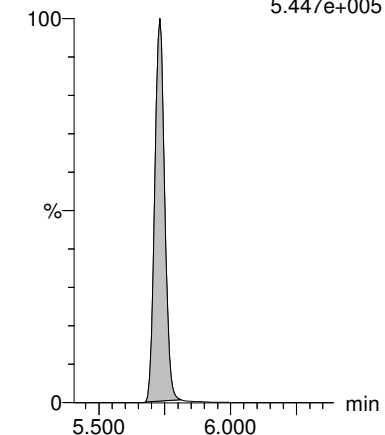
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.443e+005



13C7-PFUDa

F49:MRM of 1 channel,ES-
570.1 > 524.8
5.447e+005



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-53.qld

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Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	6.55e3	7.43e3	0.125		1.34	11.0	67.9429	84.9		
2	2 PFPeA	263.1 > 218.9	7.34e3	9.75e3	0.125		2.63	9.41	66.8112	83.5		
3	3 PFBS	299.0 > 79.7	2.94e3	2.13e3	0.125		2.95	17.3	63.8330	79.8	2.75	NO
4	4 4:2 FTS	327.2>307.2	2.36e3	3.40e3	0.125		3.43	8.69	68.6356	85.8	1.44	NO
5	5 PFHxA	313 > 269	1.33e4	7.89e3	0.125		3.51	8.41	65.1926	81.5	16.0	NO
6	36 13C3-PFBA	216.1 > 171.8	7.43e3	1.04e4	0.125	0.739	1.34	8.91	96.4575	96.5		
7	37 13C3-PFPeA	266. > 221.8	9.75e3	1.96e4	0.125	0.587	2.63	6.21	84.6959	84.7		
8	38 13C3-PFBS	302. > 98.8	2.13e3	4.03e3	0.125	0.488	2.95	6.59	107.9691	108.0		
9	39 13C2-4:2 FTS	329.2>308.9	3.40e3	4.03e3	0.125	0.894	3.43	10.5	94.3440	94.3		
10	40 13C2-PFHxA	315 > 270	7.89e3	1.96e4	0.125	1.002	3.51	5.03	40.1363	100.3		
11	-1											
12	6 PFPeS	349.1>80.1	2.70e3	2.13e3	0.125		3.72	15.9	66.8184	83.5	1.65	NO
13	7 PFHpA	363.0 > 318.9	1.05e4	9.93e3	0.125		4.15	13.2	69.5924	87.0	16.6	NO
14	8 L-PFHxS	398.9 > 79.6	2.11e3	1.67e3	0.125		4.27	15.8	62.4934	78.1	1.60	NO
15	68 Total PFHxS	398.9 > 79.6	2.11e3	1.67e3	0.125			15.8	62.4934			
16	10 6:2 FTS	427.1 > 407	2.51e3	2.95e3	0.125		4.56	10.7	69.3141	86.6	2.78	NO
17	38 13C3-PFBS	302. > 98.8	2.13e3	4.03e3	0.125	0.488	2.95	6.59	107.9691	108.0		
18	41 13C4-PFHpA	367.2 > 321.8	9.93e3	1.96e4	0.125	0.513	4.15	6.33	98.7028	98.7		
19	42 18O2-PFHxS	403.0 > 102.6	1.67e3	4.03e3	0.125	0.397	4.27	5.18	104.4880	104.5		
20	42 18O2-PFHxS	403.0 > 102.6	1.67e3	4.03e3	0.125	0.397	4.27	5.18	104.4880	104.5		
21	43 13C2-6:2 FTS	429.1 > 408.9	2.95e3	4.31e3	0.125	0.846	4.56	8.54	80.7960	80.8		
22	-1											
23	11 L-PFOA	412.8 > 368.9	1.71e4	1.67e4	0.125		4.61	12.9	64.2851	80.4	3.27	NO
24	69 Total PFOA	412.8 > 368.9	1.71e4	1.67e4	0.125			12.9	64.2851			
25	13 PFHpS	449 > 80.0	2.84e3	4.52e3	0.125		4.72	7.87	62.8026	78.5	2.03	NO
26	16 L-PFOS	498.9 > 79.9	3.12e3	4.52e3	0.125		5.12	8.63	58.6782	73.3	1.83	NO
27	70 Total PFOS	498.9 > 79.9	3.12e3	4.52e3	0.125			8.63	58.6782			
28	44 13C2-PFOA	414.9 > 369.7	1.67e4	2.44e4	0.125	0.720	4.61	8.53	94.7445	94.7		
29	44 13C2-PFOA	414.9 > 369.7	1.67e4	2.44e4	0.125	0.720	4.61	8.53	94.7445	94.7		
30	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023	5.12	13.1	102.3918	102.4		
31	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023	5.12	13.1	102.3918	102.4		
32	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023	5.12	13.1	102.3918	102.4		
33	-1											
34	14 PFNA	463.0 > 418.8	1.28e4	1.39e4	0.125		5.04	11.5	66.8522	83.6	4.62	NO
35	15 PFOSA	497.9 > 77.9	1.73e3	2.18e3	0.125		5.08	9.96	63.2659	79.1	31.5	NO
36	18 PFDA	513 > 468.8	1.44e4	1.58e4	0.125		5.41	11.4	66.2502	82.8	5.84	NO

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Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9	2.59e3	2.41e3	0.125			5.38	13.4	63.2892	79.1	2.27	NO
38	20 PFNS	549.1 > 80.1	2.56e3	4.52e3	0.125			5.47	7.09	65.6482	82.1	1.75	NO
39	45 13C5-PFNA	468.2 > 422.9	1.39e4	1.81e4	0.125	0.969		5.04	9.62	79.4468	79.4		
40	46 13C8-PFOA	506.1 > 77.7	2.18e3	3.30e4	0.125	0.296		5.07	0.825	22.3263	22.3		
41	48 13C2-PFDA	515.1 > 469.9	1.58e4	2.02e4	0.125	1.040		5.41	9.79	75.3309	75.3		
42	49 13C2-8:2 FTS	529.1 > 508.7	2.41e3	4.31e3	0.125	0.591		5.38	6.99	94.6834	94.7		
43	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023		5.12	13.1	102.3918	102.4		
44	-1												
45	21 L-MeFOSAA	570 > 419	3.07e3	1.76e3	0.125			5.56	21.9	71.7701	89.7	2.57	NO
46	71 Total N-MeFOSAA	570. > 419	3.07e3	1.76e3	0.125				21.9	71.7701			
47	23 L-EtFOSAA	584.1 > 419	2.66e3	2.63e3	0.125			5.71	12.6	72.4879	90.6	1.41	NO
48	72 Total N-EtFOSAA	584.1 > 419	2.66e3	2.63e3	0.125				12.6	72.4879			
49	25 PFUDa	563.0 > 518.9	1.73e4	2.25e4	0.125			5.73	9.60	68.2020	85.3	11.5	NO
50	50 d3-N-MeFOSAA	573.3 > 419	1.76e3	3.30e4	0.125	0.055		5.56	0.665	96.9756	97.0		
51	50 d3-N-MeFOSAA	573.3 > 419	1.76e3	3.30e4	0.125	0.055		5.56	0.665	96.9756	97.0		
52	52 d5-N-EtFOSAA	589.3 > 419	2.63e3	3.30e4	0.125	0.091		5.71	0.998	87.5908	87.6		
53	52 d5-N-EtFOSAA	589.3 > 419	2.63e3	3.30e4	0.125	0.091		5.71	0.998	87.5908	87.6		
54	51 13C2-PFUDa	565 > 519.8	2.25e4	3.30e4	0.125	0.961		5.73	8.52	70.9513	71.0		
55	-1												
56	26 PFDS	598.8 > 79.9	3.08e3	4.52e3	0.125			5.77	8.52	60.7491	75.9	1.57	NO
57	27 PFDoA	612.9 > 569.0	2.08e4	2.08e4	0.125			6.01	12.5	64.9119	81.1	9.79	NO
58	29 PFTTrDA	662.9 > 618.9	2.16e4	2.08e4	0.125			6.25	12.9	68.7708	86.0	29.6	NO
59	30 PFTeDA	713.0 > 669.0	1.96e4	1.65e4	0.125			6.46	14.8	64.6301	80.8	13.2	NO
60	28 N-MeFOSA	512.1 > 168.9	3.32e2		0.125			5.89				1.19	NO
61	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023		5.12	13.1	102.3918	102.4		
62	53 13C2-PFDoA	615.0 > 569.7	2.08e4	2.02e4	0.125	1.103		6.00	12.9	93.5319	93.5		
63	53 13C2-PFDoA	615.0 > 569.7	2.08e4	2.02e4	0.125	1.103		6.00	12.9	93.5319	93.5		
64	55 13C2-PFTeDA	715.1 > 669.7	1.65e4	3.30e4	0.125	0.561		6.46	6.27	89.4075	89.4		
65	54 d3-N-MeFOSA	515.2 > 168.9		3.30e4	0.125	0.076							
66	-1												
67	31 N-EtFOSA	526.1 > 168.9	3.91e2	6.06e0	0.125			6.34	9680			1.36	NO
68	32 PFHxDA	813.1 > 768.6	7.97e3	8.57e3	0.125			6.78	4.65	75.4881	94.4	21.0	NO
69	33 PFOA	913.1 > 868.8	6.74e3	8.57e3	0.125			7.01	3.93	32.3965	40.5		
70	34 N-MeFOSE	616.1 > 58.9	2.13e3	1.13e1	0.125			6.60	28300	248373.7504	62093.4		
71	35 N-EtFOSE	630.1 > 58.9	2.50e3	8.55e0	0.125			6.75	43800	271948.0811	67987.0		
72	56 d5-N-ETFOA	531.1 > 168.9	6.06e0	3.30e4	0.125	0.101		6.67	0.00230	0.1828	0.0		

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-53.qld

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Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

#	Name	Trace	Area	IS Area	wt/vol	RRF	Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	8.57e3	3.30e4	0.125	0.699	6.78	3.25		37.1644	92.9		
74	57 13C2-PFHxDA	815 > 769.7	8.57e3	3.30e4	0.125	0.699	6.78	3.25		37.1644	92.9		
75	58 d7-N-MeFOSE	623.1 > 58.9	1.13e1	3.30e4	0.125	0.093	6.55	0.00427		0.3672	0.0		
76	59 d9-N-EtFOSE	639.2 > 58.8	8.55e0	3.30e4	0.125	0.085	6.62	0.00324		0.3062	0.0		
77	-1												
78	73 TCDA	498.3>106.9			0.125								
79	61 13C5-PFHxA	318 > 272.9	1.96e4	1.96e4	0.125	1.000	3.51	12.5		100.0000	100.0		
80	60 13C4-PFBA	217. > 172	1.04e4	1.04e4	0.125	1.000	1.34	12.5		100.0000	100.0		
81	62 13C3-PFHxS	401.8 > 79.9	4.03e3	4.03e3	0.125	1.000	4.27	12.5		100.0000	100.0		
82	63 13C8-PFOA	420.9 > 376	2.44e4	2.44e4	0.125	1.000	4.61	12.5		100.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	4.52e3	4.31e3	0.125	1.023	5.12	13.1		102.3918	102.4		
84	64 13C9-PFNA	472.2 > 426.9	1.81e4	1.81e4	0.125	1.000	5.04	12.5		100.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	4.31e3	4.31e3	0.125	1.000	5.12	12.5		100.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	2.02e4	2.02e4	0.125	1.000	5.41	12.5		100.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	3.30e4	3.30e4	0.125	1.000	5.73	12.5		100.0000	100.0		

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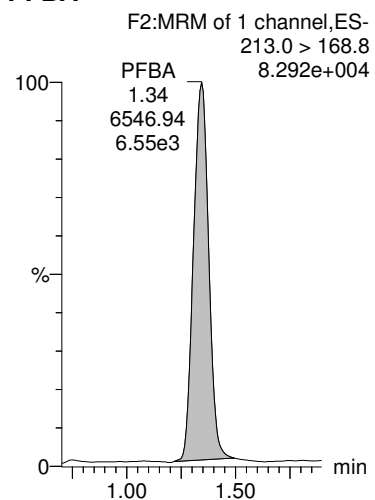
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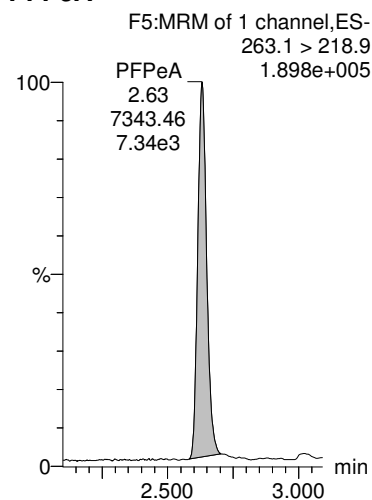
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Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

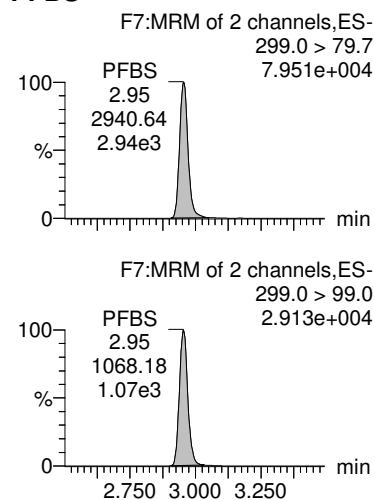
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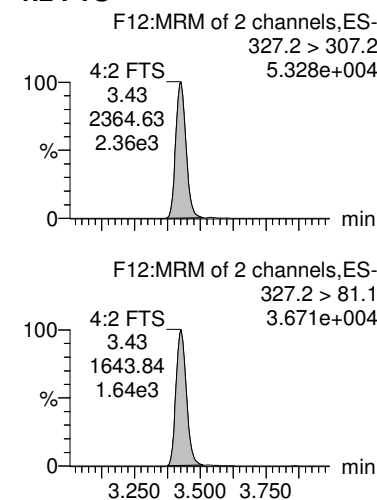
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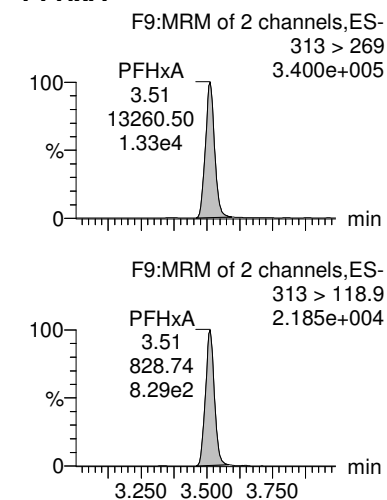
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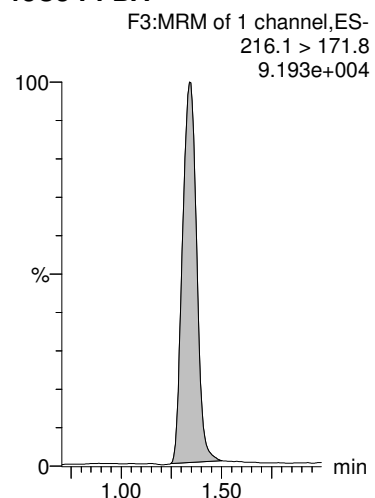
4:2 FTS



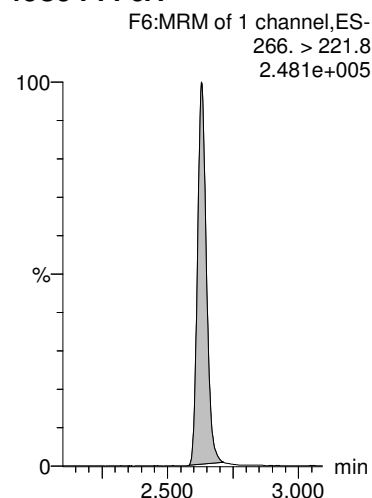
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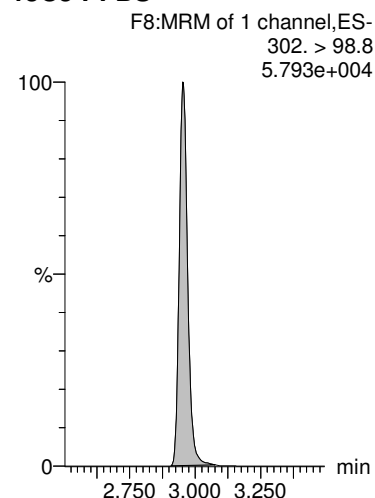
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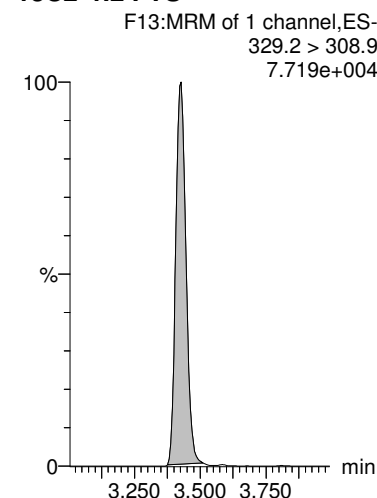
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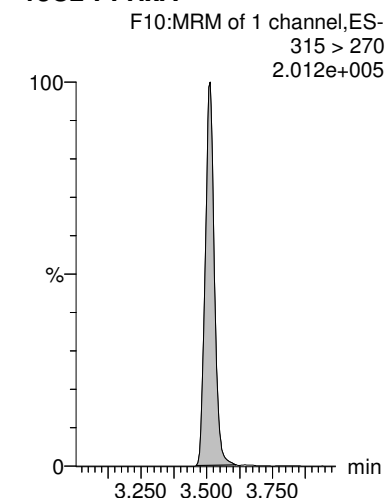
13C3-PFBS



13C2-4:2 FTS



13C2-PFHxA



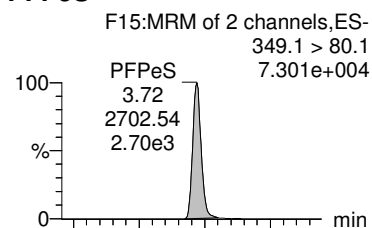
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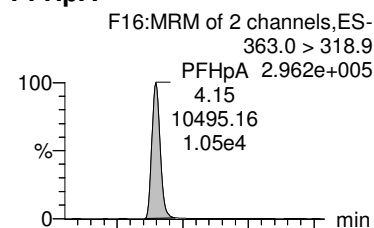
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Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

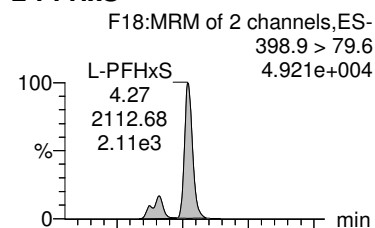
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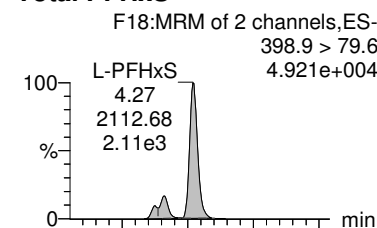
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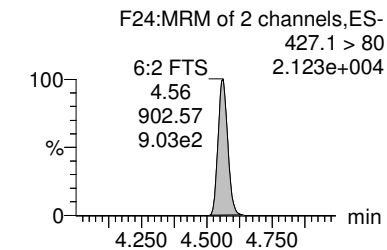
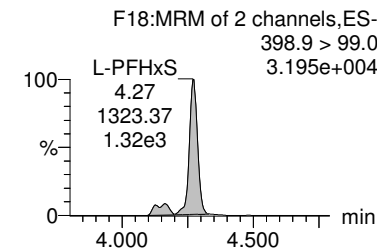
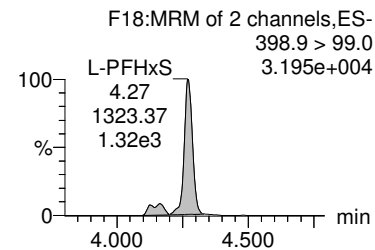
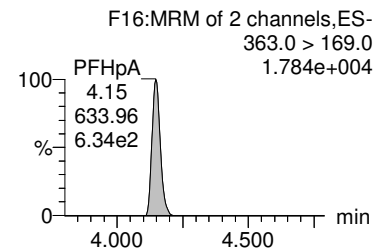
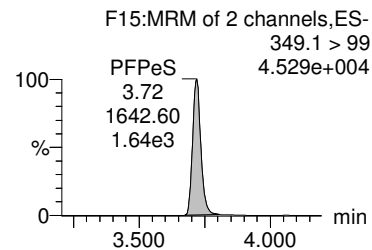
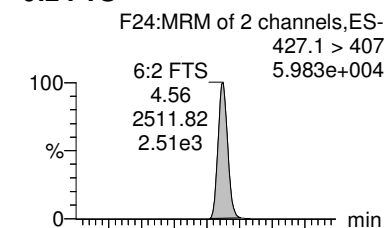
L-PFHxS



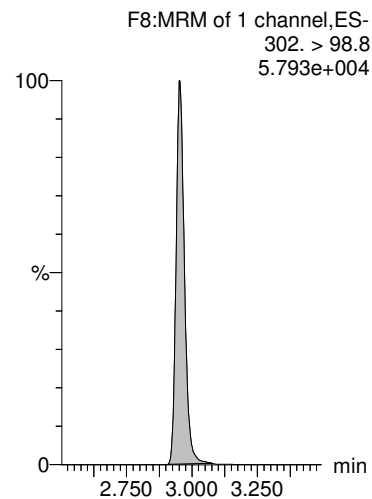
Total PFHxS



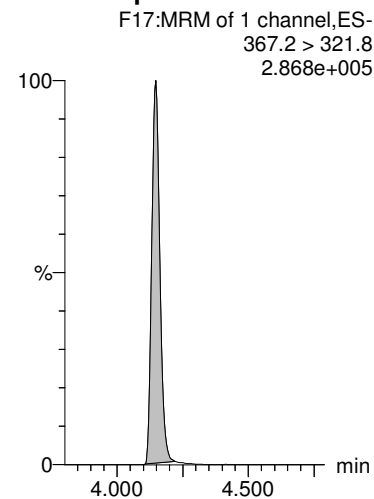
6:2 FTS



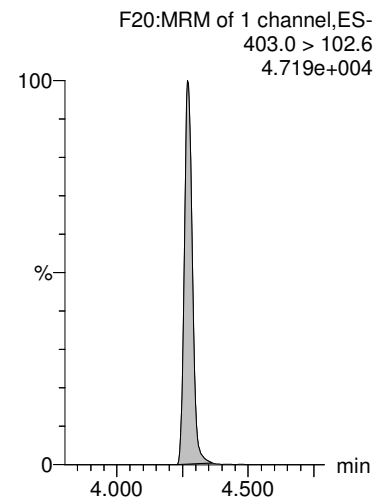
13C3-PFBS



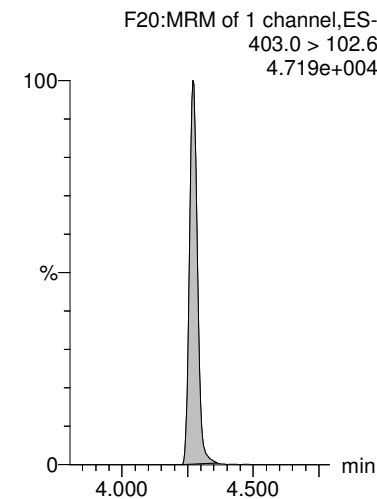
13C4-PFHpA



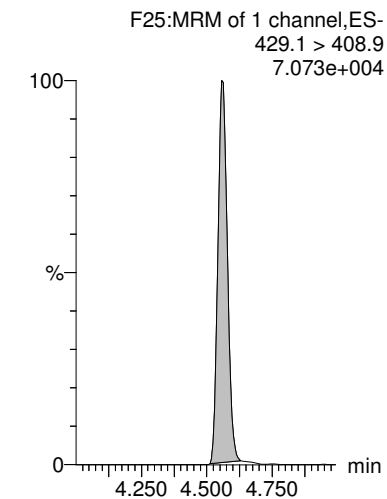
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



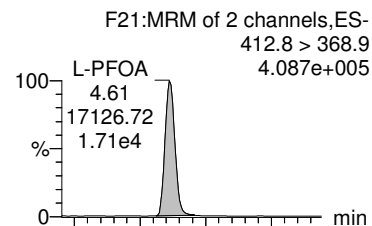
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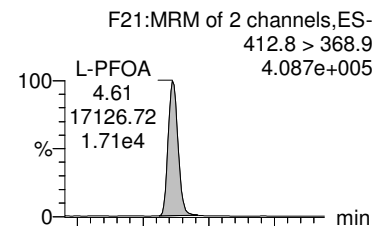
Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

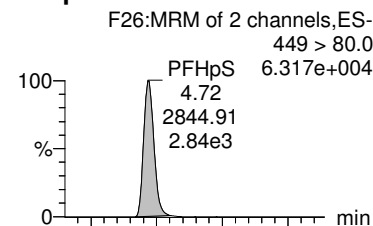
L-PFOA



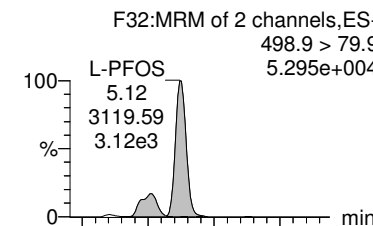
Total PFOA



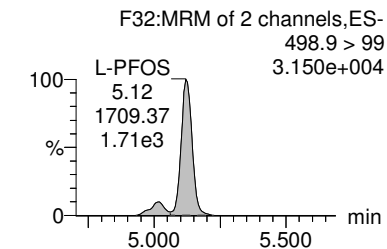
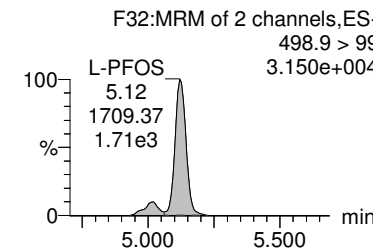
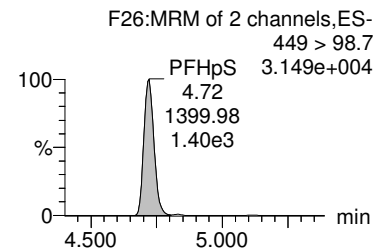
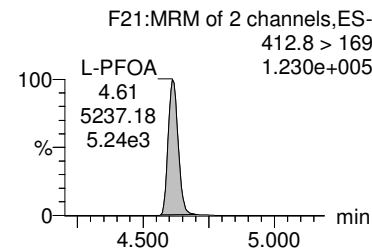
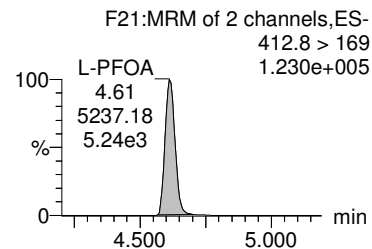
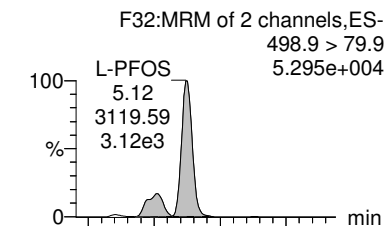
PFHpS



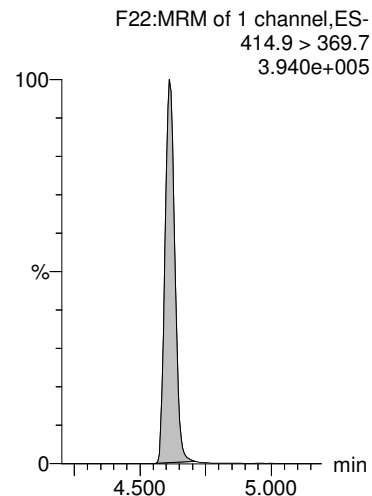
L-PFOS



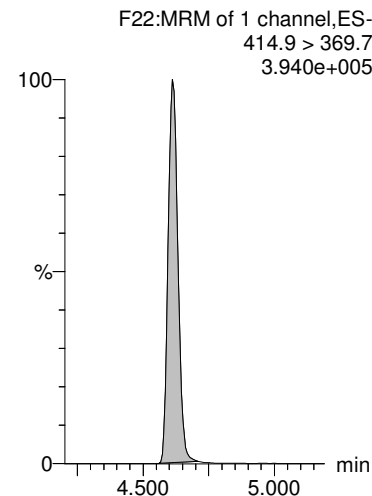
Total PFOS



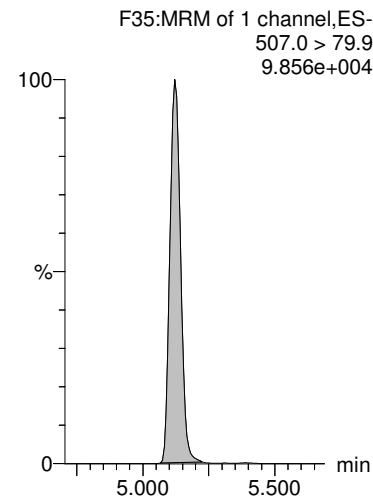
13C2-PFOA



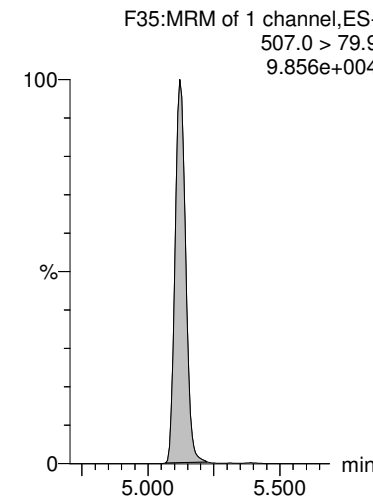
13C2-PFOA



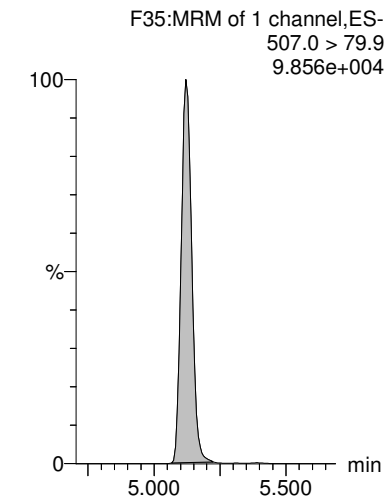
13C8-PFOS



13C8-PFOS



13C8-PFOS



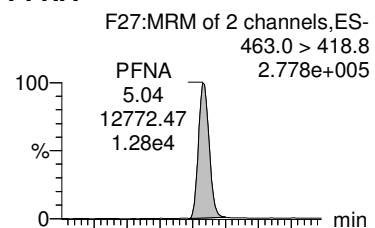
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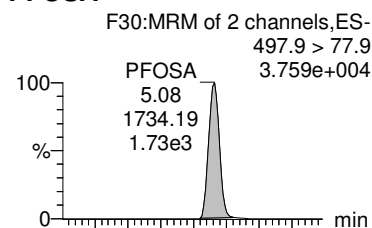
Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

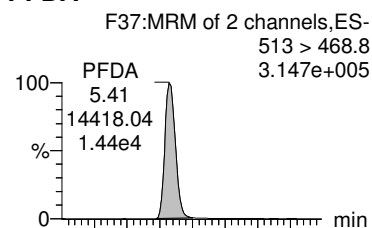
PFNA



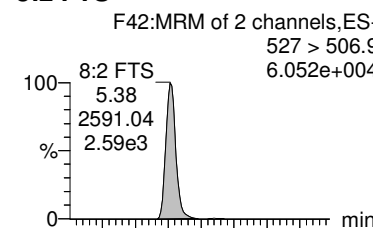
PFOSA



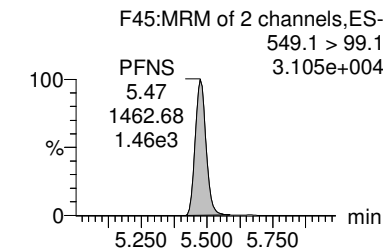
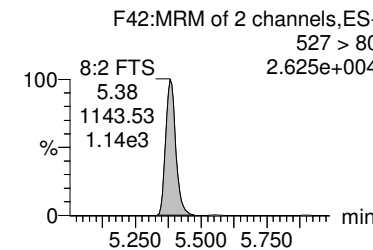
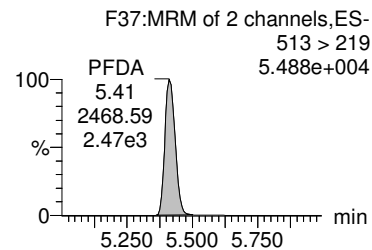
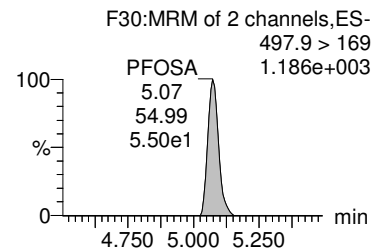
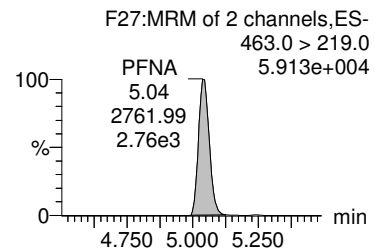
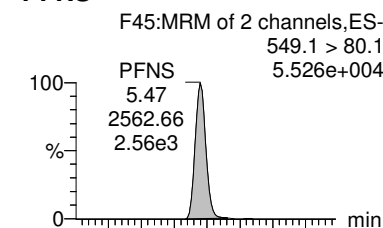
PFDA



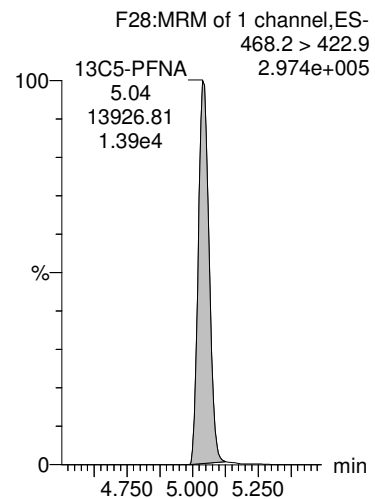
8:2 FTS



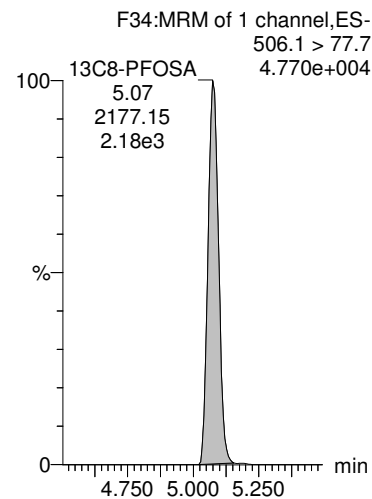
PFNS



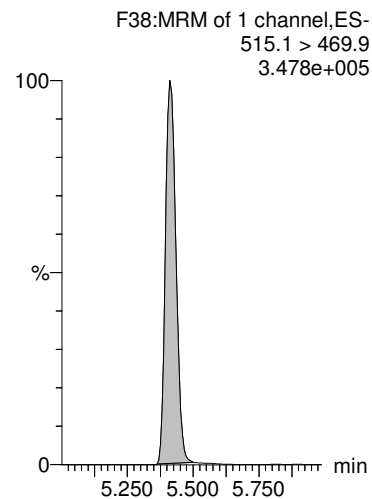
13C5-PFNA



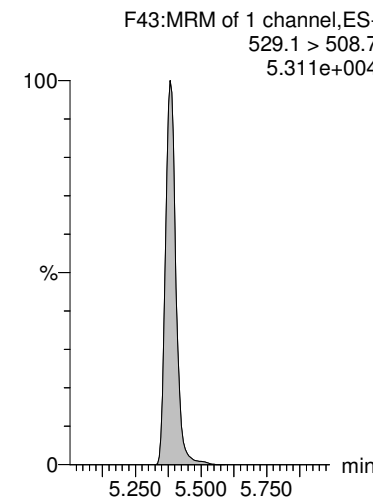
13C8-PFOSA



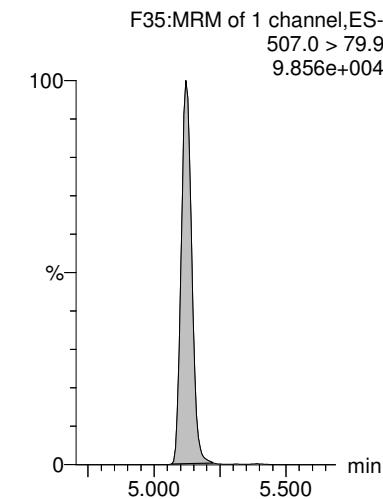
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS

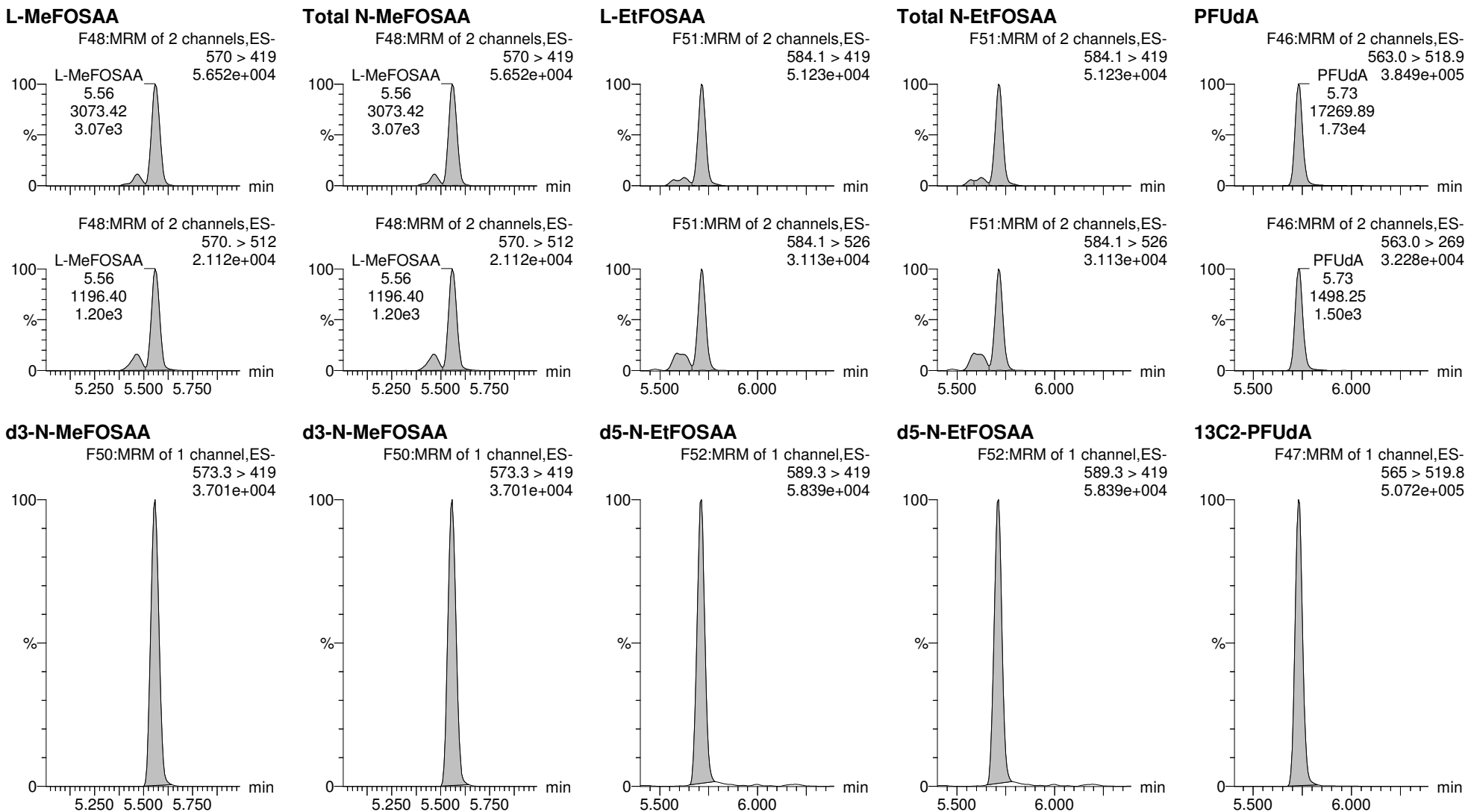


Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-53.qld

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Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR



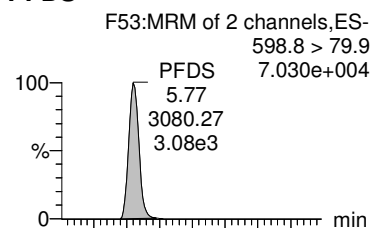
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Last Altered: Thursday, October 25, 2018 09:18:36 Pacific Daylight Time

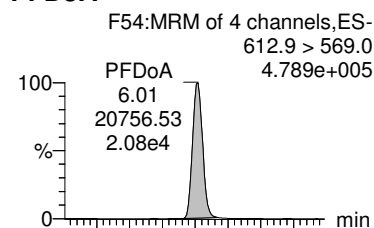
Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

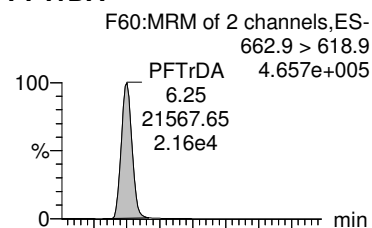
PFDS



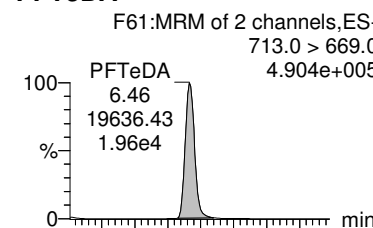
PFDaA



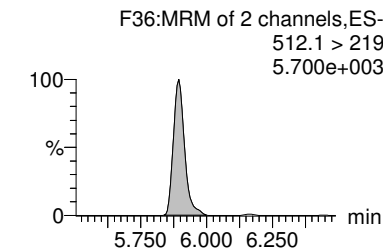
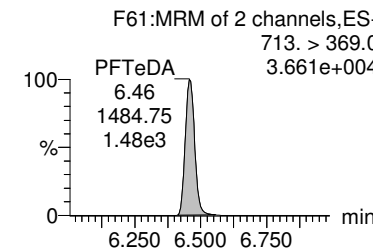
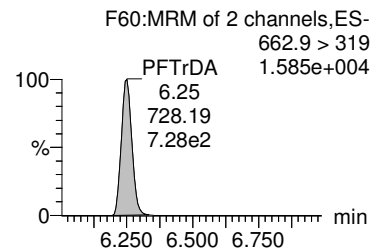
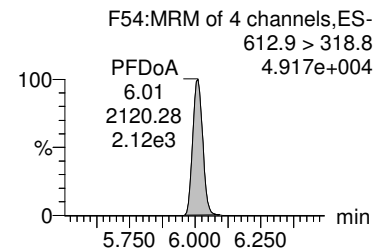
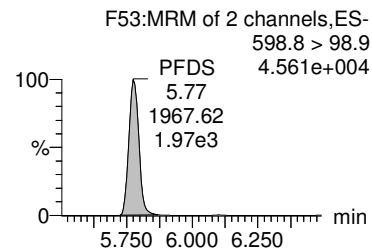
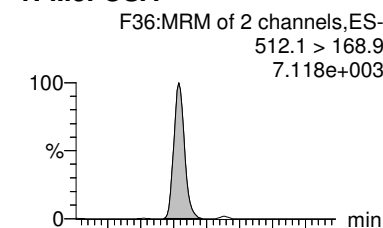
PFTTrDA



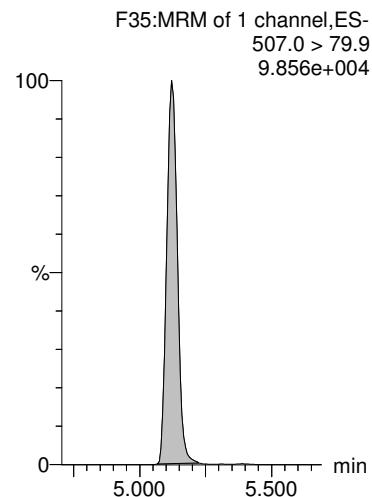
PFTeDA



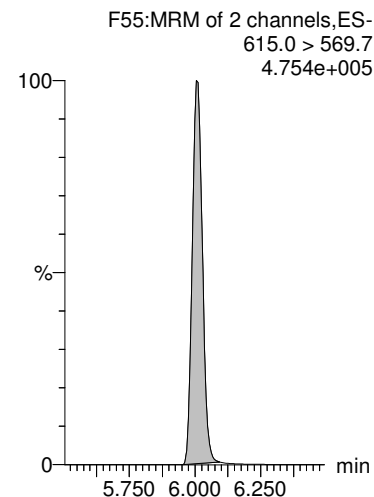
N-MeFOSA



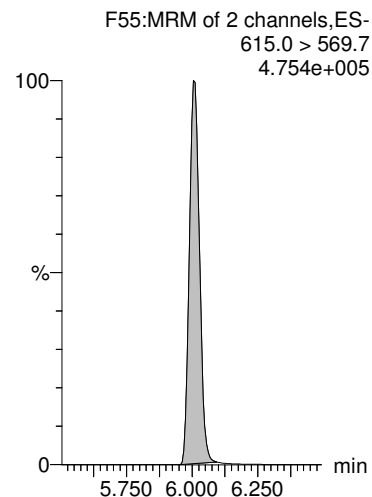
13C8-PFOS



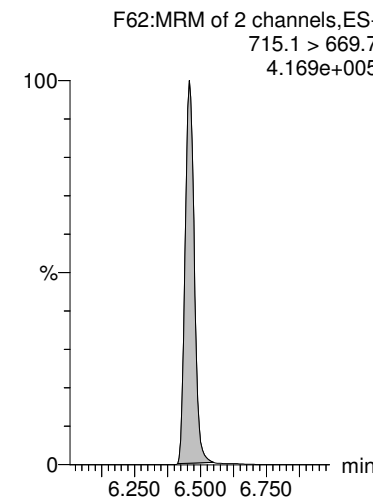
13C2-PFDaA



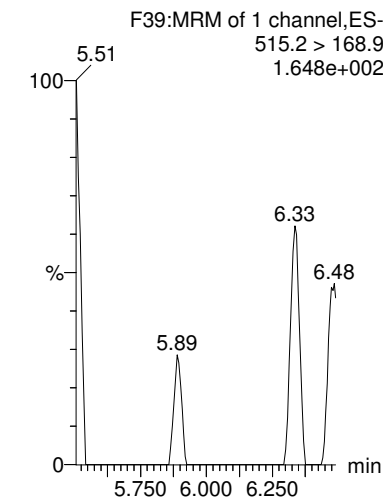
13C2-PFDaA



13C2-PFTeDA



d3-N-MeFOSA



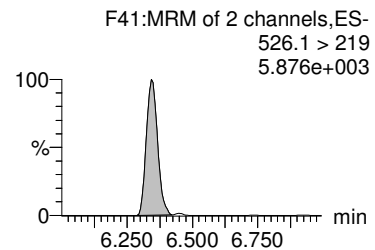
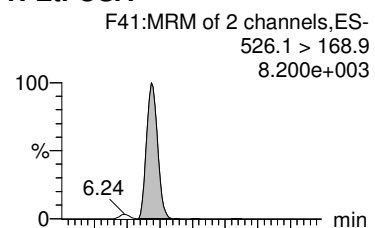
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Last Altered: Thursday, October 25, 2018 09:18:36 Pacific Daylight Time

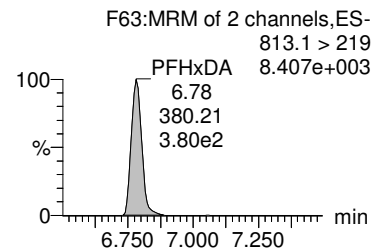
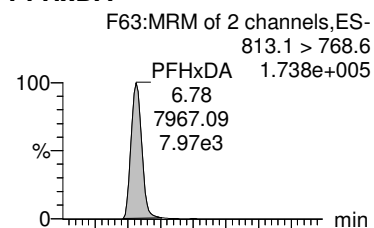
Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

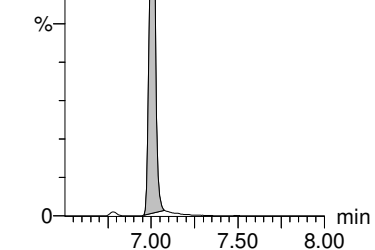
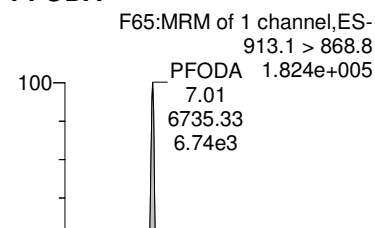
N-EtFOSA



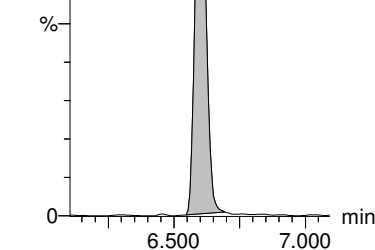
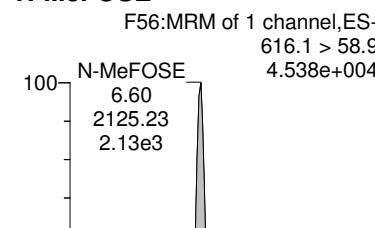
PFHxDA



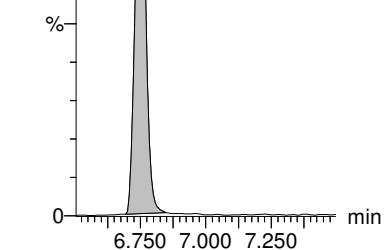
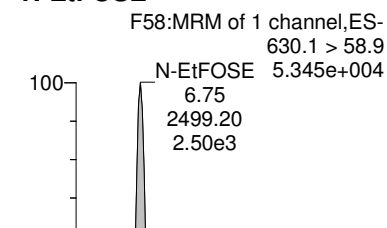
PFODA



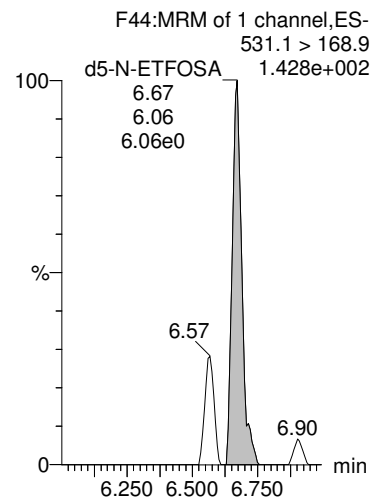
N-MeFOSE



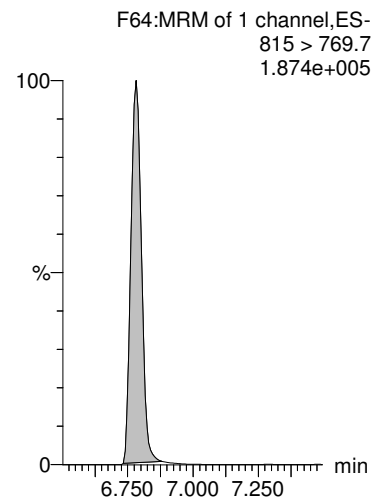
N-EtFOSE



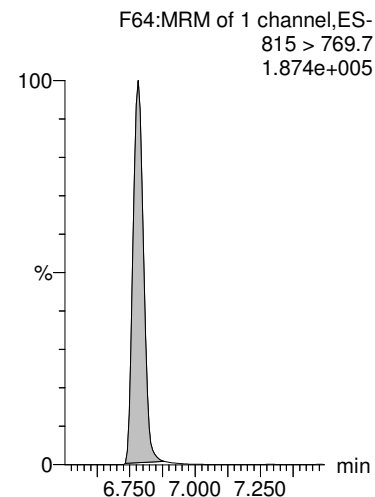
d5-N-ETFOSA



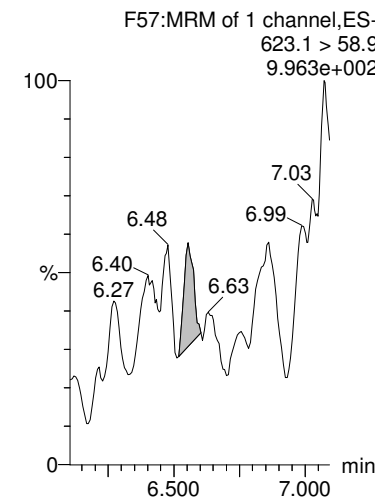
13C2-PFHxDA



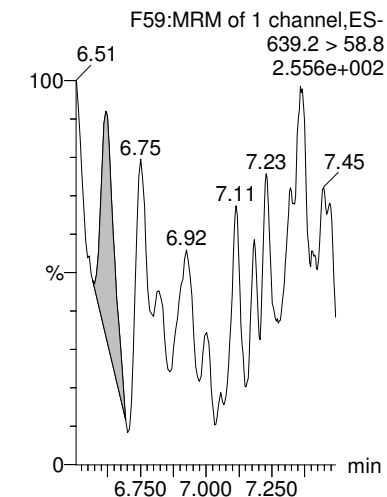
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



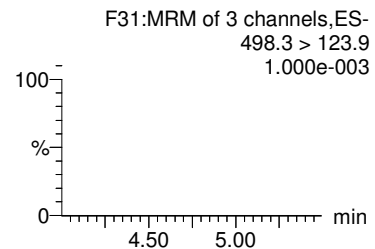
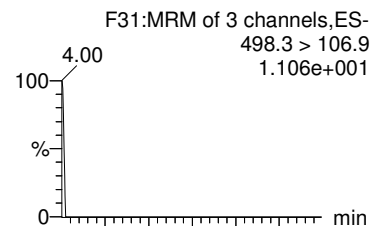
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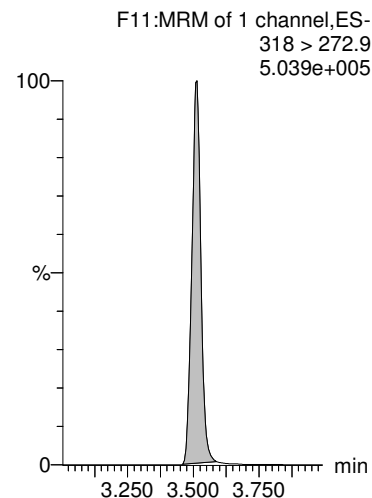
Printed: Thursday, October 25, 2018 09:20:46 Pacific Daylight Time

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

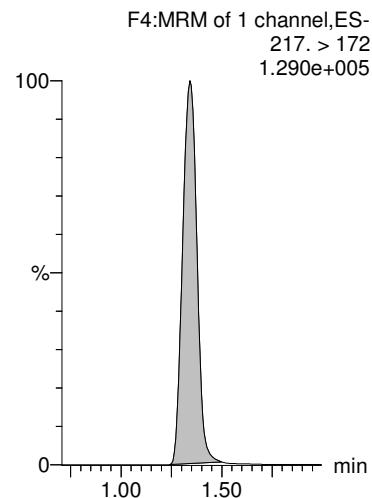
TCDA



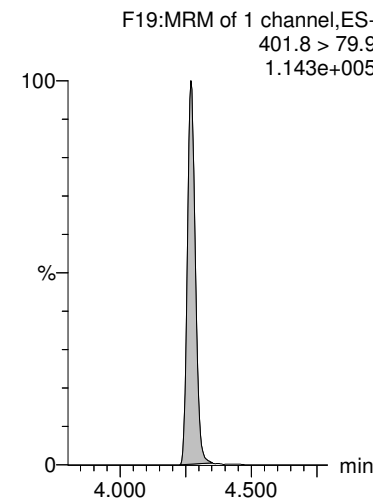
13C5-PFHxA



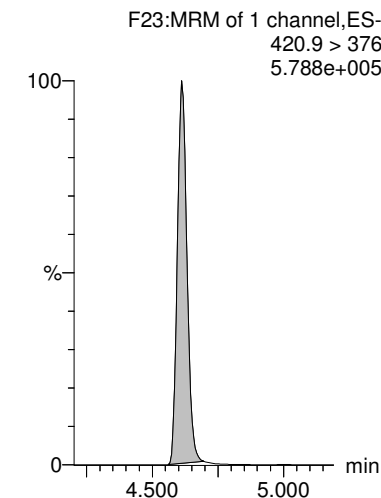
13C4-PFBA



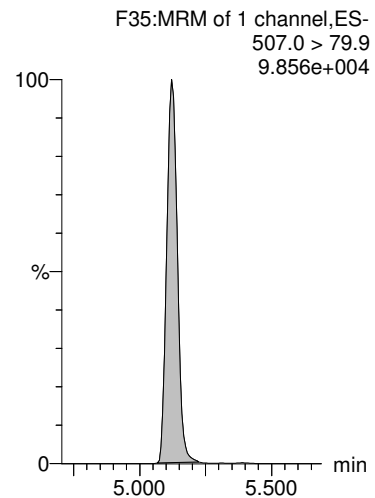
13C3-PFHxS



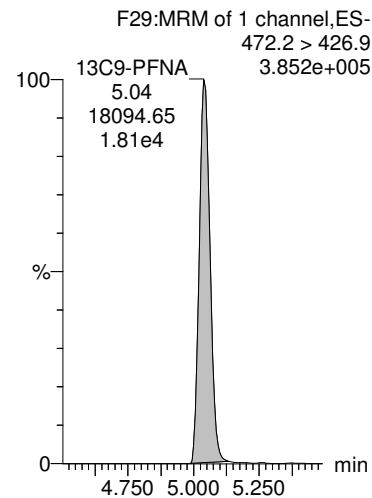
13C8-PFOA



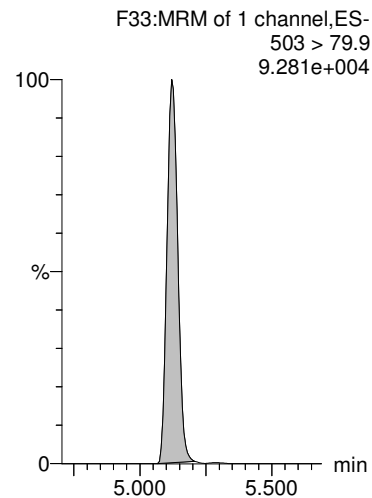
13C8-PFOS



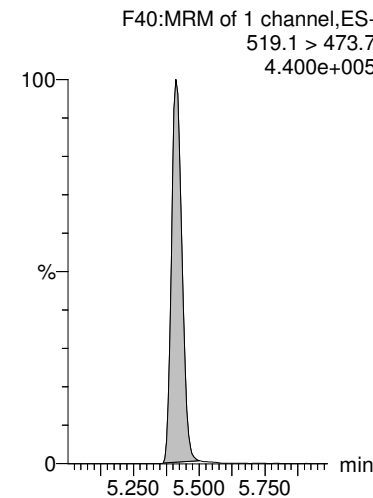
13C9-PFNA



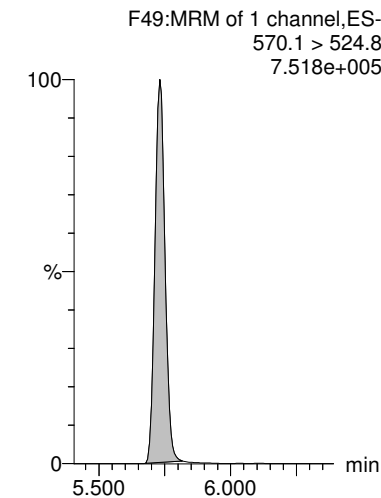
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

Last Altered: Thursday, October 25, 2018 09:29:57 Pacific Daylight Time

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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	8.34e3	9.35e3	0.125		1.34	11.1	68.7518	85.9		
2	2 PFPeA	263.1 > 218.9	8.96e3	1.16e4	0.125		2.63	9.65	68.4660	85.6		
3	3 PFBS	299.0 > 79.7	2.82e3	1.96e3	0.125		2.95	18.0	66.4519	83.1	2.62	NO
4	4 4:2 FTS	327.2>307.2	2.33e3	3.24e3	0.125		3.42	8.99	71.0883	88.9	1.47	NO
5	5 PFHxA	313 > 269	1.49e4	8.64e3	0.125		3.51	8.64	67.0157	83.8	14.5	NO
6	36 13C3-PFBA	216.1 > 171.8	9.35e3	1.27e4	0.125	0.739	1.34	9.21	99.6325	99.6		
7	37 13C3-PFPeA	266. > 221.8	1.16e4	2.14e4	0.125	0.587	2.63	6.77	92.2238	92.2		
8	38 13C3-PFBS	302. > 98.8	1.96e3	3.80e3	0.125	0.488	2.95	6.45	105.6999	105.7		
9	39 13C2-4:2 FTS	329.2>308.9	3.24e3	3.80e3	0.125	0.894	3.42	10.7	95.5560	95.6		
10	40 13C2-PFHxA	315 > 270	8.64e3	2.14e4	0.125	1.002	3.51	5.04	40.2079	100.5		
11	-1											
12	6 PFPeS	349.1>80.1	2.51e3	1.96e3	0.125		3.72	16.0	67.3984	84.2	1.61	NO
13	7 PFHpA	363.0 > 318.9	1.15e4	1.05e4	0.125		4.14	13.7	72.4277	90.5	15.8	NO
14	8 L-PFHxS	398.9 > 79.6	2.17e3	1.47e3	0.125		4.27	18.5	72.9663	91.2	1.58	NO
15	68 Total PFHxS	398.9 > 79.6	2.17e3	1.47e3	0.125			18.5	72.9663			
16	10 6:2 FTS	427.1 > 407	2.41e3	2.97e3	0.125		4.56	10.1	65.8075	82.3	2.71	NO
17	38 13C3-PFBS	302. > 98.8	1.96e3	3.80e3	0.125	0.488	2.95	6.45	105.6999	105.7		
18	41 13C4-PFHpA	367.2 > 321.8	1.05e4	2.14e4	0.125	0.513	4.14	6.10	95.1986	95.2		
19	42 18O2-PFHxS	403.0 > 102.6	1.47e3	3.80e3	0.125	0.397	4.27	4.84	97.6108	97.6		
20	42 18O2-PFHxS	403.0 > 102.6	1.47e3	3.80e3	0.125	0.397	4.27	4.84	97.6108	97.6		
21	43 13C2-6:2 FTS	429.1 > 408.9	2.97e3	4.17e3	0.125	0.846	4.56	8.90	84.1681	84.2		
22	-1											
23	11 L-PFOA	412.8 > 368.9	1.77e4	1.72e4	0.125		4.61	12.9	64.3017	80.4	3.25	NO
24	69 Total PFOA	412.8 > 368.9	1.77e4	1.72e4	0.125			12.9	64.3017			
25	13 PFHpS	449 > 80.0	2.96e3	4.16e3	0.125		4.72	8.88	70.8298	88.5	1.96	NO
26	16 L-PFOS	498.9 > 79.9	3.33e3	4.16e3	0.125		5.12	10.0	67.9695	85.0	1.97	NO
27	70 Total PFOS	498.9 > 79.9	3.33e3	4.16e3	0.125			10.0	67.9695			
28	44 13C2-PFOA	414.9 > 369.7	1.72e4	2.54e4	0.125	0.720	4.61	8.49	94.2858	94.3		
29	44 13C2-PFOA	414.9 > 369.7	1.72e4	2.54e4	0.125	0.720	4.61	8.49	94.2858	94.3		
30	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023	5.12	12.5	97.4043	97.4		
31	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023	5.12	12.5	97.4043	97.4		
32	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023	5.12	12.5	97.4043	97.4		
33	-1											
34	14 PFNA	463.0 > 418.8	1.34e4	1.38e4	0.125		5.04	12.1	70.6364	88.3	4.59	NO
35	15 PFOSA	497.9 > 77.9	2.78e3	3.10e3	0.125		5.07	11.2	71.2746	89.1	24.7	NO
36	18 PFDA	513 > 468.8	1.43e4	1.47e4	0.125		5.41	12.2	70.8896	88.6	5.65	NO

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

#	Name	Trace	Area	IS Area	wt/vol	RRF	Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
37	19 8:2 FTS	527 > 506.9	2.48e3	2.10e3	0.125			5.38	14.8	69.7398	87.2	2.33	NO
38	20 PFNS	549.1 > 80.1	2.65e3	4.16e3	0.125			5.47	7.97	73.7544	92.2	1.89	NO
39	45 13C5-PFNA	468.2 > 422.9	1.38e4	1.73e4	0.125	0.969		5.04	9.99	82.4712	82.5		
40	46 13C8-PFOA	506.1 > 77.7	3.10e3	3.07e4	0.125	0.296		5.07	1.26	34.1235	34.1		
41	48 13C2-PFDA	515.1 > 469.9	1.47e4	2.04e4	0.125	1.040		5.41	9.00	69.2645	69.3		
42	49 13C2-8:2 FTS	529.1 > 508.7	2.10e3	4.17e3	0.125	0.591		5.38	6.29	85.1516	85.2		
43	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023		5.12	12.5	97.4043	97.4		
44	-1												
45	21 L-MeFOSAA	570 > 419	2.86e3	1.73e3	0.125			5.56	20.7	67.7636	84.7	2.32	NO
46	71 Total N-MeFOSAA	570. > 419	2.86e3	1.73e3	0.125				20.7	67.7636			
47	23 L-EtFOSAA	584.1 > 419	2.28e3	2.28e3	0.125			5.71	12.5	71.5201	89.4	1.37	NO
48	72 Total N-EtFOSAA	584.1 > 419	2.28e3	2.28e3	0.125				12.5	71.5201			
49	25 PFUdA	563.0 > 518.9	1.56e4	1.99e4	0.125			5.73	9.81	69.7446	87.2	12.5	NO
50	50 d3-N-MeFOSAA	573.3 > 419	1.73e3	3.07e4	0.125	0.055		5.55	0.705	102.8471	102.8		
51	50 d3-N-MeFOSAA	573.3 > 419	1.73e3	3.07e4	0.125	0.055		5.55	0.705	102.8471	102.8		
52	52 d5-N-EtFOSAA	589.3 > 419	2.28e3	3.07e4	0.125	0.091		5.71	0.930	81.6534	81.7		
53	52 d5-N-EtFOSAA	589.3 > 419	2.28e3	3.07e4	0.125	0.091		5.71	0.930	81.6534	81.7		
54	51 13C2-PFUdA	565 > 519.8	1.99e4	3.07e4	0.125	0.961		5.73	8.11	67.5298	67.5		
55	-1												
56	26 PFDS	598.8 > 79.9	3.22e3	4.16e3	0.125			5.77	9.68	69.0085	86.3	1.79	NO
57	27 PFDoA	612.9 > 569.0	1.95e4	1.90e4	0.125			6.00	12.8	66.8817	83.6	9.37	NO
58	29 PFTrDA	662.9 > 618.9	2.10e4	1.90e4	0.125			6.25	13.8	73.5464	91.9	27.7	NO
59	30 PFTeDA	713.0 > 669.0	1.92e4	1.60e4	0.125			6.46	15.0	65.4332	81.8	12.8	NO
60	28 N-MeFOSA	512.1 > 168.9	1.25e3	5.64e0	0.125			5.89	33300			1.57	NO
61	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023		5.12	12.5	97.4043	97.4		
62	53 13C2-PFDoA	615.0 > 569.7	1.90e4	2.04e4	0.125	1.103		6.00	11.6	84.4788	84.5		
63	53 13C2-PFDoA	615.0 > 569.7	1.90e4	2.04e4	0.125	1.103		6.00	11.6	84.4788	84.5		
64	55 13C2-PFTeDA	715.1 > 669.7	1.60e4	3.07e4	0.125	0.561		6.46	6.50	92.7107	92.7		
65	54 d3-N-MeFOSA	515.2 > 168.9	5.64e0	3.07e4	0.125	0.076		6.41	0.00229	0.2415	0.0		
66	-1												
67	31 N-EtFOSA	526.1 > 168.9	1.25e3		0.125			6.34				1.45	NO
68	32 PFHxDA	813.1 > 768.6	7.88e3	8.17e3	0.125			6.78	4.82	78.3453	97.9	19.5	NO
69	33 PFODA	913.1 > 868.8	5.48e3	8.17e3	0.125			7.01	3.35	27.6304	34.5		
70	34 N-MeFOSE	616.1 > 58.9	2.84e3	1.38e1	0.125			6.60	31000	280803.9880	70201.0		
71	35 N-EtFOSE	630.1 > 58.9	3.41e3		0.125			6.75					
72	56 d5-N-ETFOSA	531.1 > 168.9		3.07e4	0.125	0.101							

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	RT	Respo...	Conc.	%Rec	Ion Ratio	Ratio Out?
73	57 13C2-PFHxDA	815 > 769.7	8.17e3	3.07e4	0.125	0.699	6.78	3.33	38.0567	95.1		
74	57 13C2-PFHxDA	815 > 769.7	8.17e3	3.07e4	0.125	0.699	6.78	3.33	38.0567	95.1		
75	58 d7-N-MeFOSE	623.1 > 58.9	1.38e1	3.07e4	0.125	0.093	7.06	0.00560	0.4818	0.0		
76	59 d9-N-EtFOSE	639.2 > 58.8		3.07e4	0.125	0.085						
77	-1											
78	73 TCDA	498.3>106.9			0.125							
79	61 13C5-PFHxA	318 > 272.9	2.14e4	2.14e4	0.125	1.000	3.51	12.5	100.0000	100.0		
80	60 13C4-PFBA	217. > 172	1.27e4	1.27e4	0.125	1.000	1.34	12.5	100.0000	100.0		
81	62 13C3-PFHxS	401.8 > 79.9	3.80e3	3.80e3	0.125	1.000	4.27	12.5	100.0000	100.0		
82	63 13C8-PFOA	420.9 > 376	2.54e4	2.54e4	0.125	1.000	4.61	12.5	100.0000	100.0		
83	47 13C8-PFOS	507.0 > 79.9	4.16e3	4.17e3	0.125	1.023	5.12	12.5	97.4043	97.4		
84	64 13C9-PFNA	472.2 > 426.9	1.73e4	1.73e4	0.125	1.000	5.04	12.5	100.0000	100.0		
85	65 13C4-PFOS	503 > 79.9	4.17e3	4.17e3	0.125	1.000	5.12	12.5	100.0000	100.0		
86	66 13C6-PFDA	519.1 > 473.7	2.04e4	2.04e4	0.125	1.000	5.41	12.5	100.0000	100.0		
87	67 13C7-PFUdA	570.1 > 524.8	3.07e4	3.07e4	0.125	1.000	5.73	12.5	100.0000	100.0		

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

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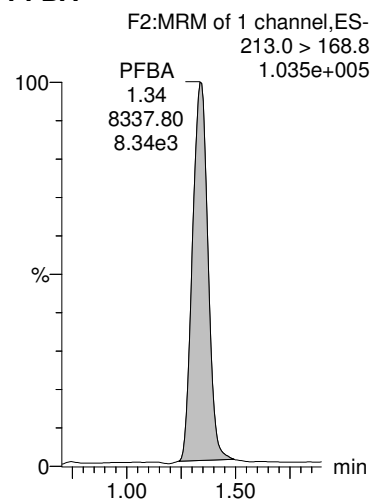
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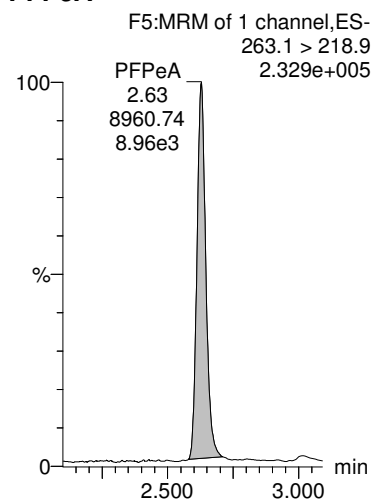
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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

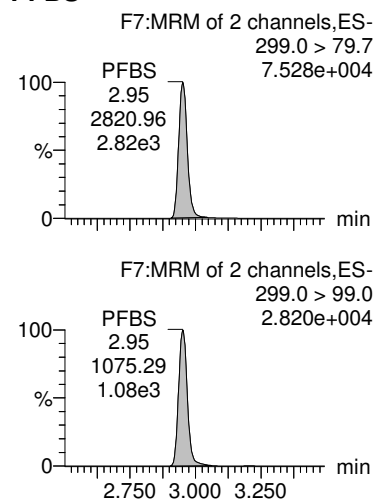
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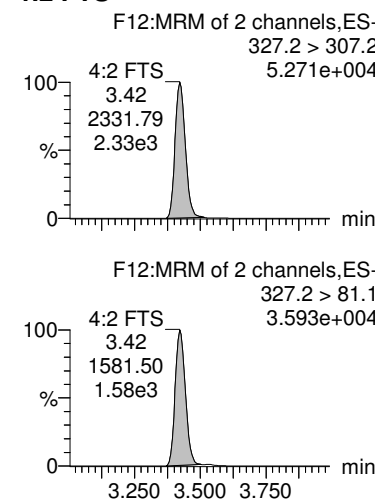
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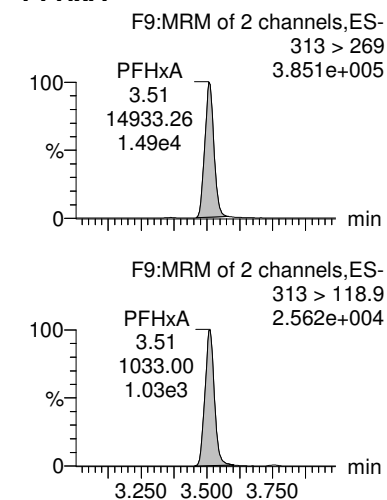
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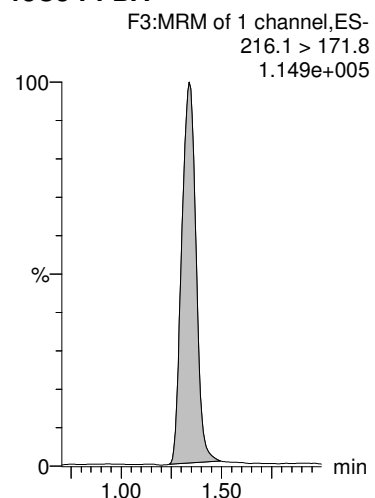
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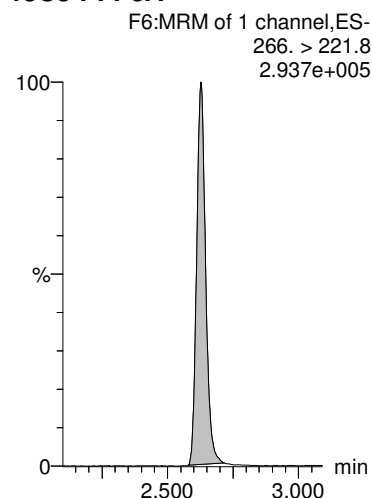
PFHxA



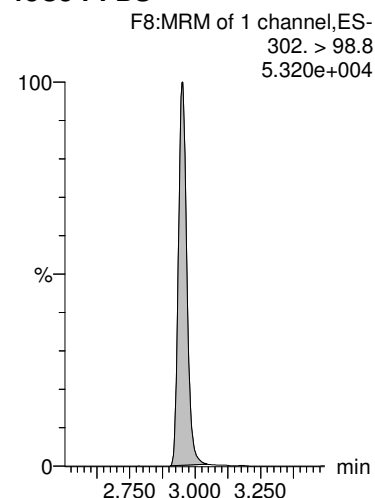
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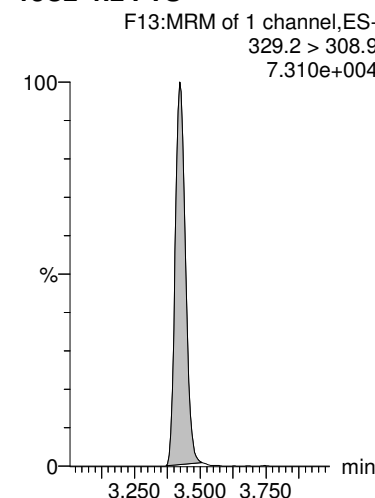
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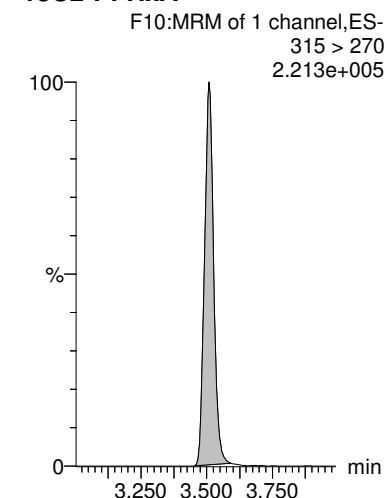
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13C2-4:2 FTS



13C2-PFHxA



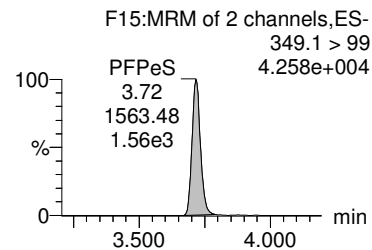
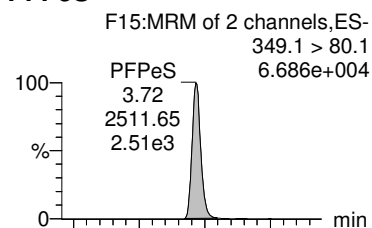
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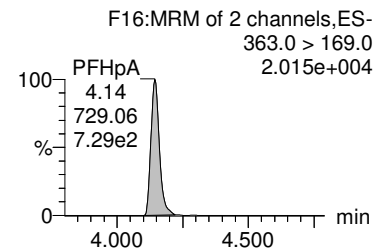
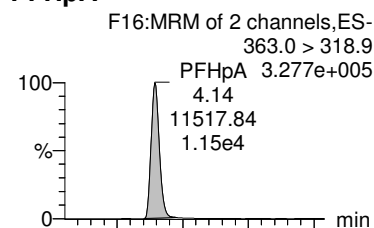
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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

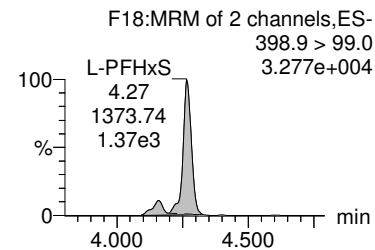
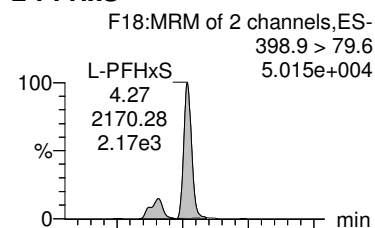
PFPeS



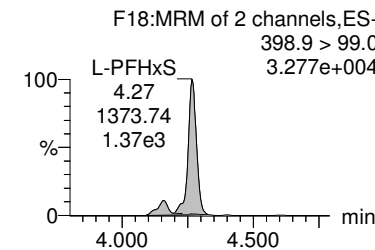
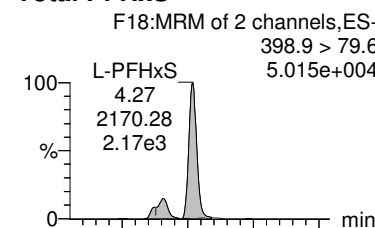
PFHpA



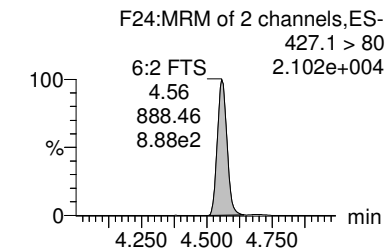
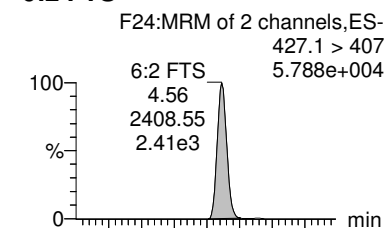
L-PFHxS



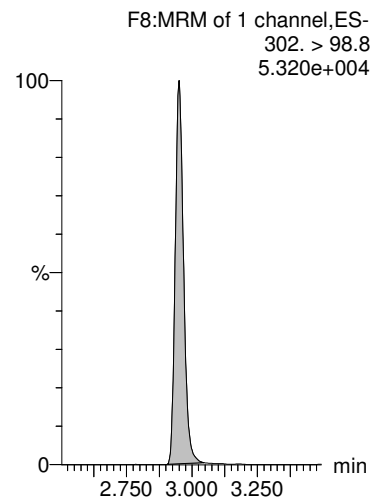
Total PFHxS



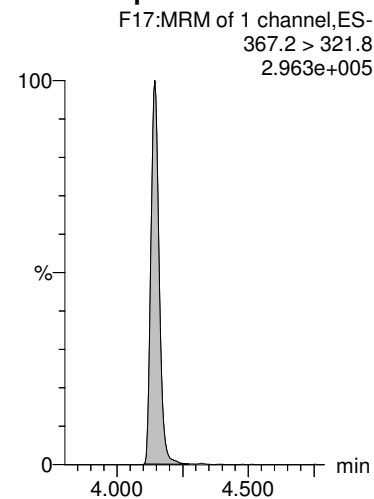
6:2 FTS



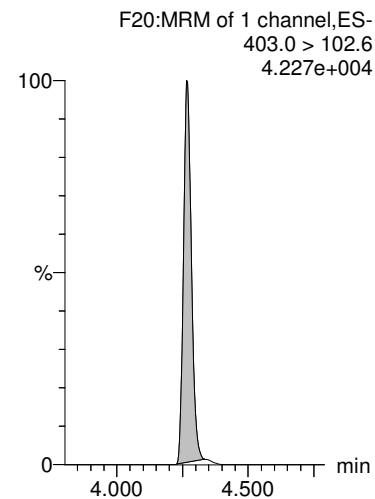
13C3-PFBS



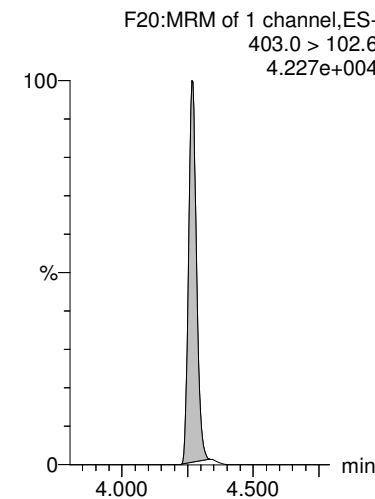
13C4-PFHpA



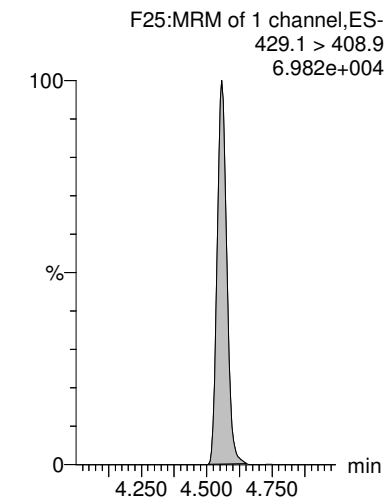
18O2-PFHxS



18O2-PFHxS



13C2-6:2 FTS



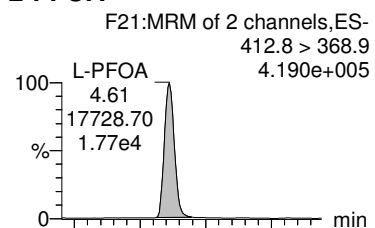
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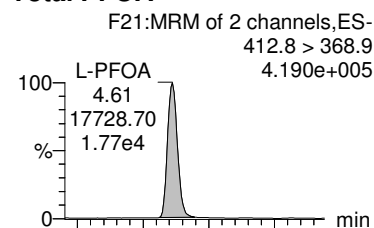
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Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

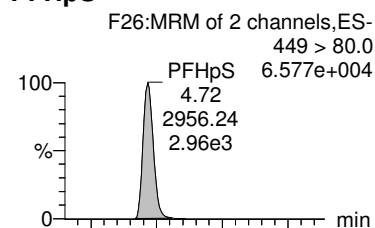
L-PFOA



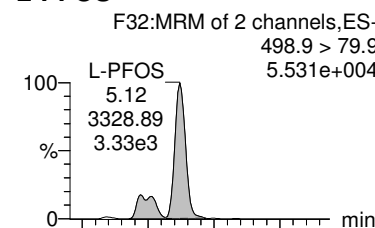
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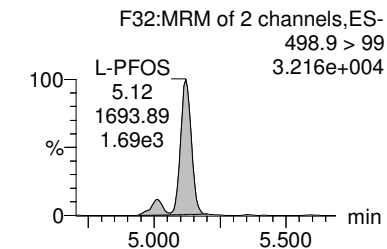
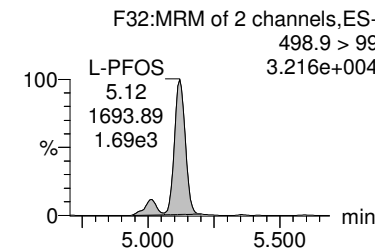
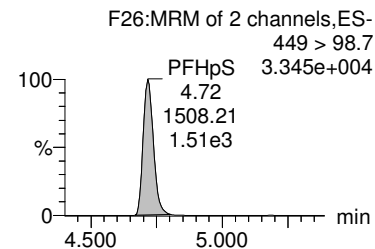
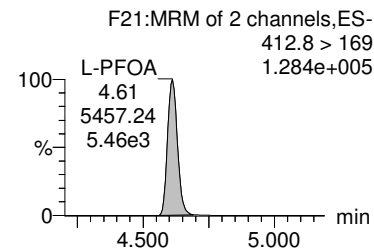
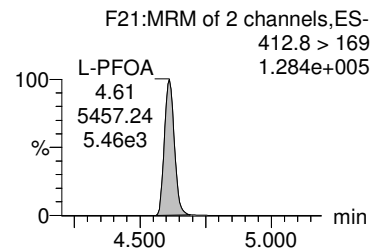
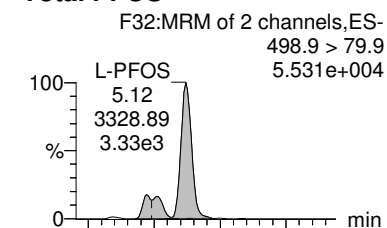
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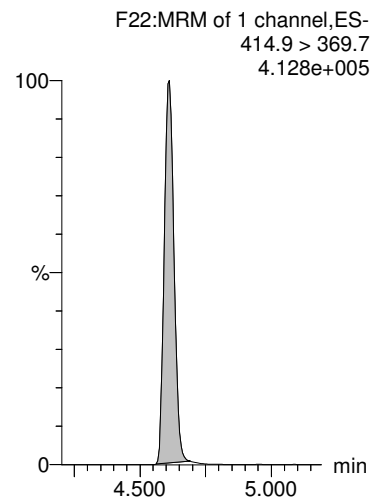
L-PFOS



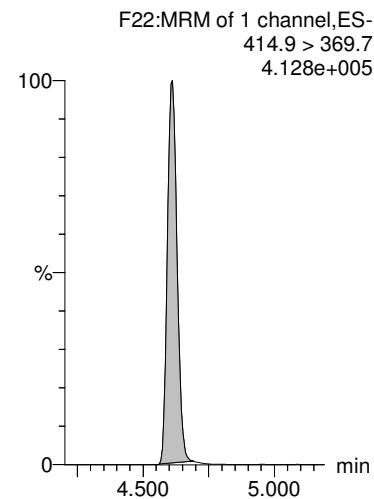
Total PFOS



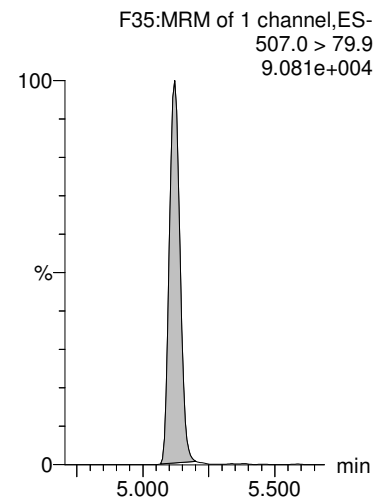
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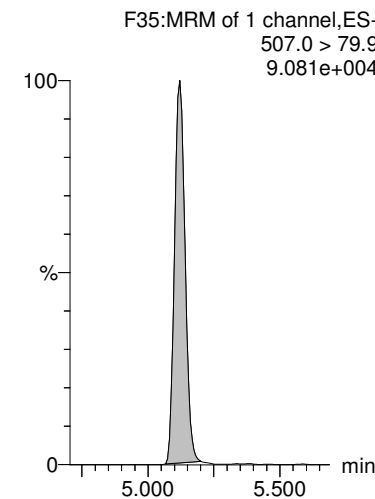
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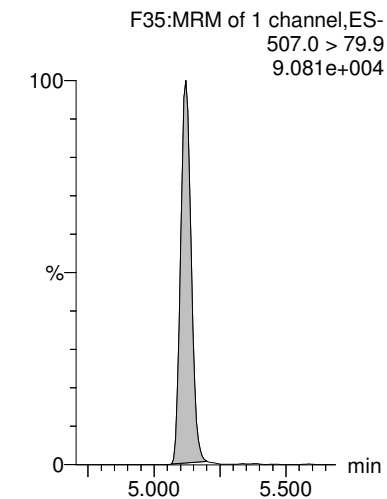
13C8-PFOS



13C8-PFOS



13C8-PFOS



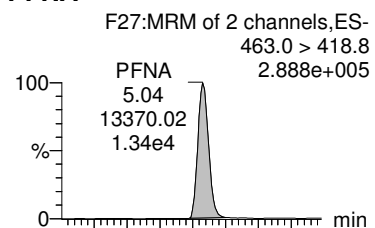
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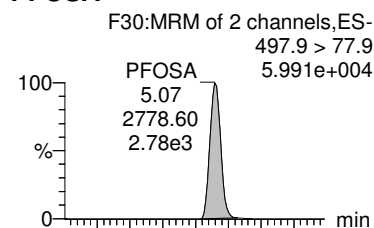
Printed: Thursday, October 25, 2018 09:30:22 Pacific Daylight Time

Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

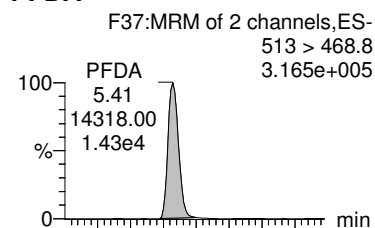
PFNA



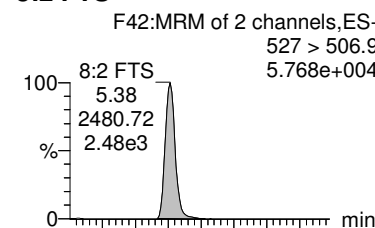
PFOSA



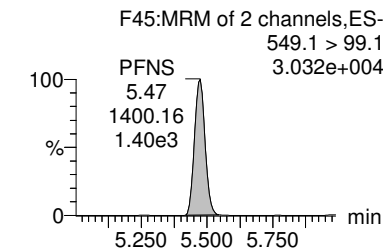
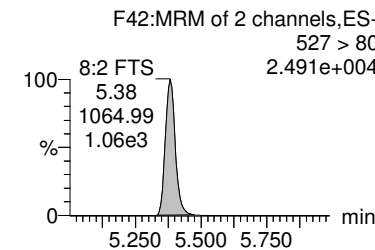
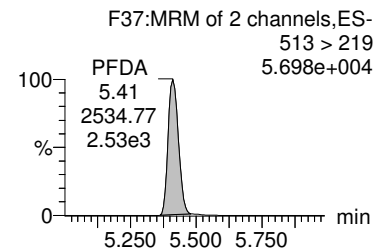
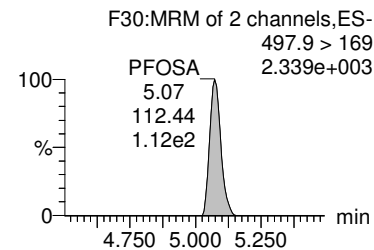
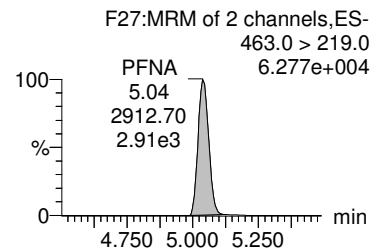
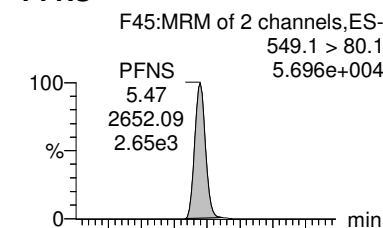
PFDA



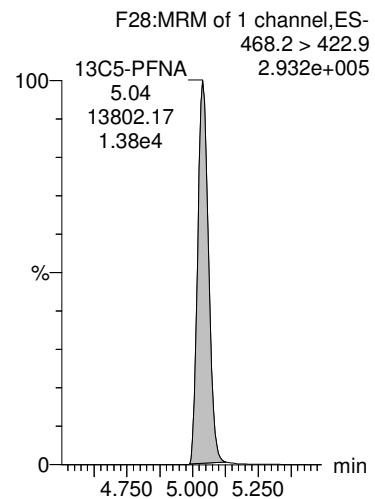
8:2 FTS



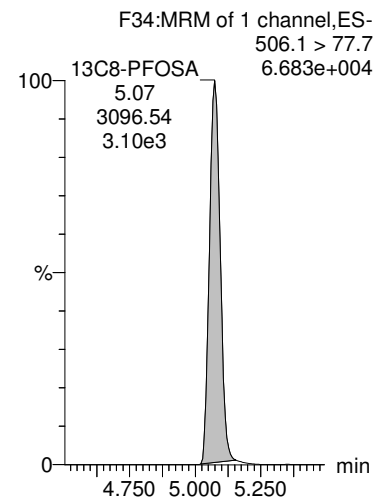
PFNS



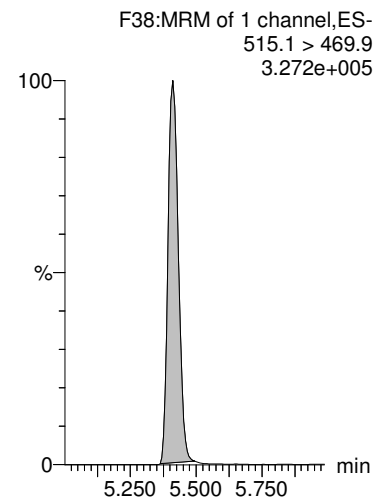
13C5-PFNA



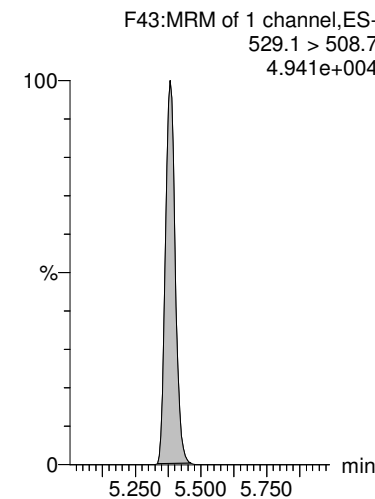
13C8-PFOSA



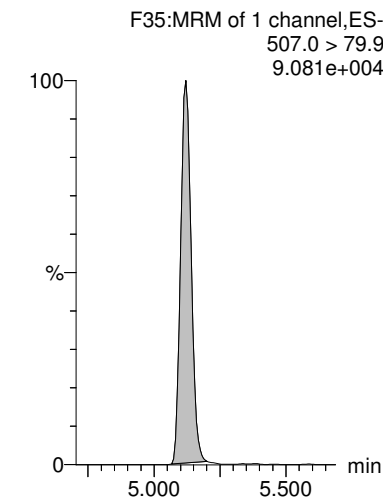
13C2-PFDA



13C2-8:2 FTS



13C8-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

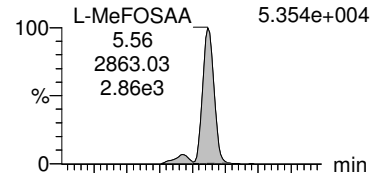
Last Altered: Thursday, October 25, 2018 09:29:57 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:30:22 Pacific Daylight Time

Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

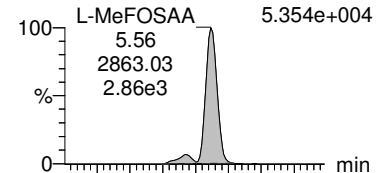
L-MeFOSAA

F48:MRM of 2 channels,ES-
570 > 419
5.354e+004



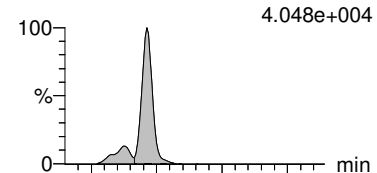
Total N-MeFOSAA

F48:MRM of 2 channels,ES-
570 > 419
5.354e+004



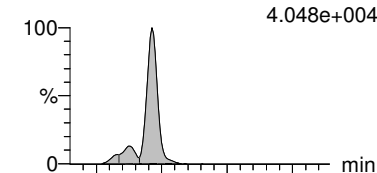
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
4.048e+004



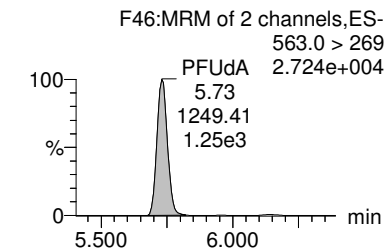
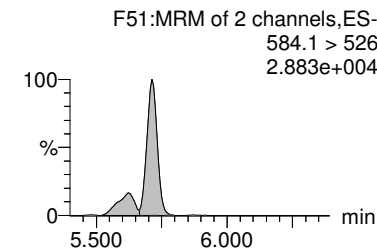
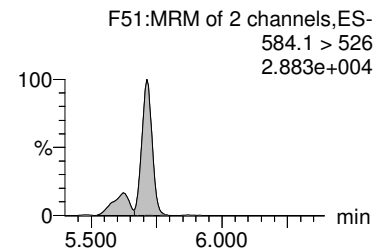
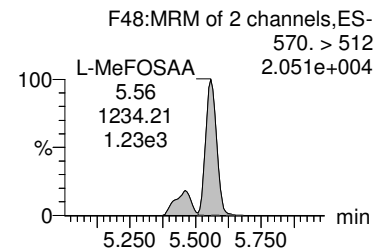
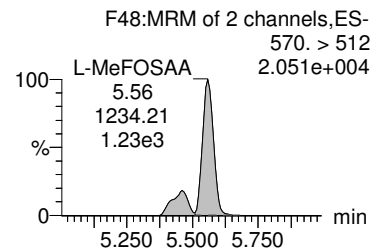
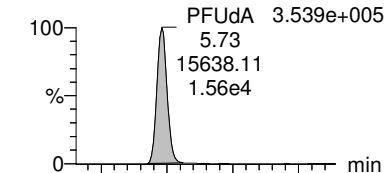
Total N-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
4.048e+004



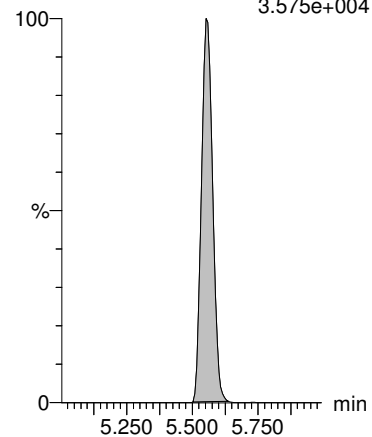
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
3.539e+005



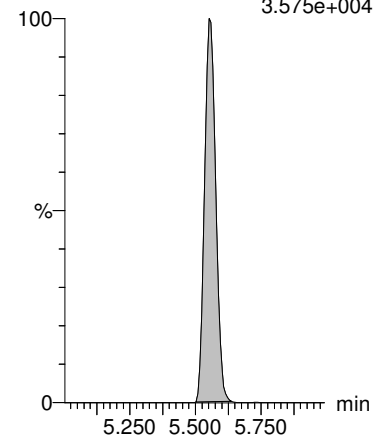
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.575e+004



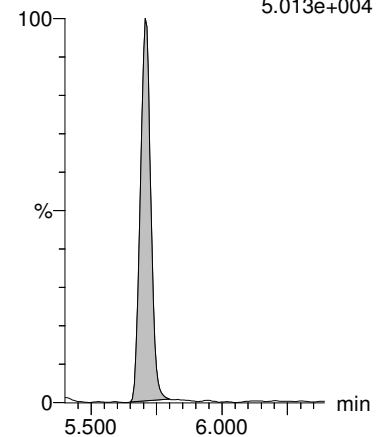
d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
3.575e+004



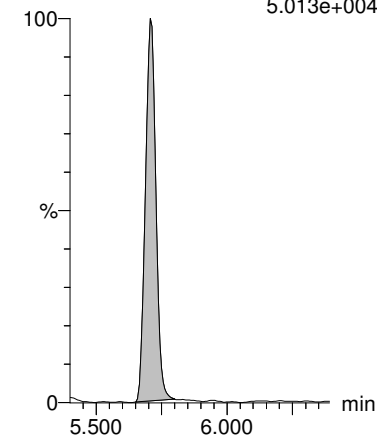
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
5.013e+004



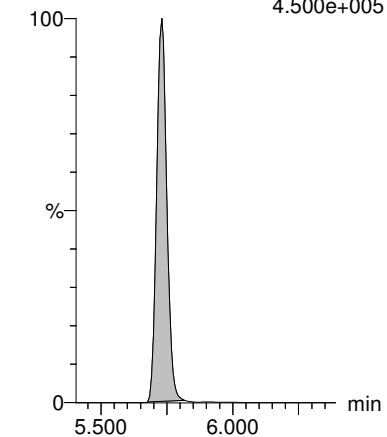
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
5.013e+004



13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
4.500e+005



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

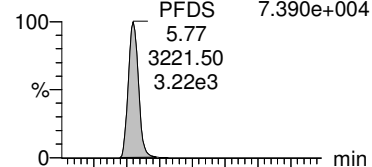
Last Altered: Thursday, October 25, 2018 09:29:57 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:30:22 Pacific Daylight Time

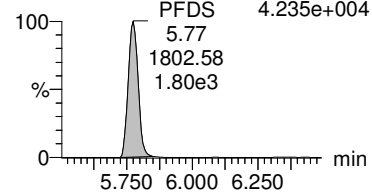
Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
7.390e+004

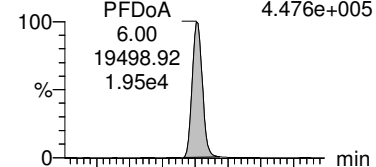


F53:MRM of 2 channels,ES-
598.8 > 98.9
4.235e+004

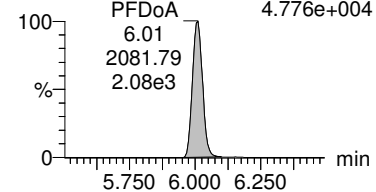


PFDaA

F54:MRM of 4 channels,ES-
612.9 > 569.0
4.476e+005

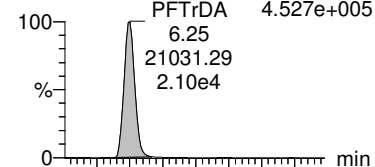


F54:MRM of 4 channels,ES-
612.9 > 318.8
4.776e+004

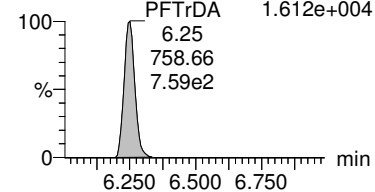


PFTTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
4.527e+005

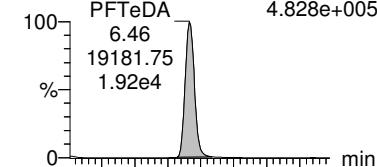


F60:MRM of 2 channels,ES-
662.9 > 319
1.612e+004

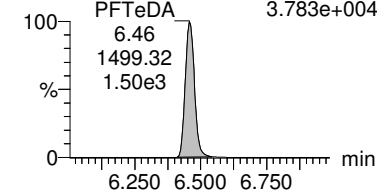


PFTeDA

F61:MRM of 2 channels,ES-
713.0 > 669.0
4.828e+005

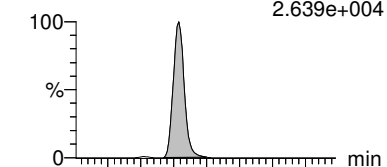


F61:MRM of 2 channels,ES-
713. > 369.0
3.783e+004

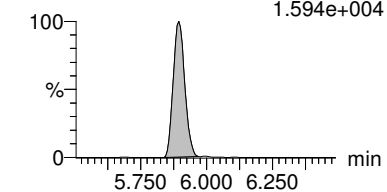


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
2.639e+004

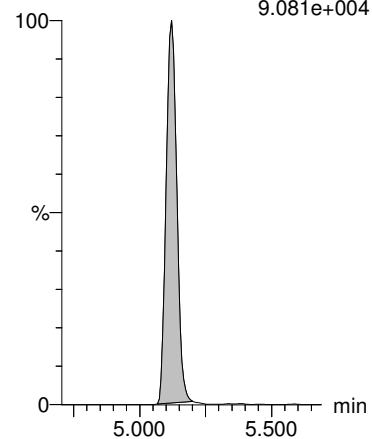


F36:MRM of 2 channels,ES-
512.1 > 219
1.594e+004



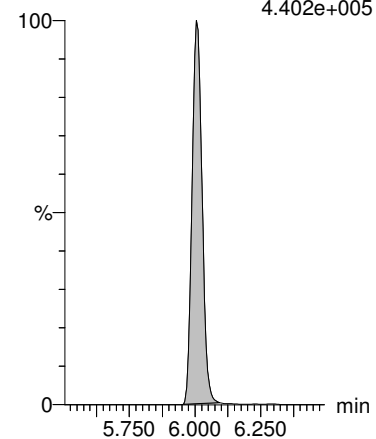
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
9.081e+004



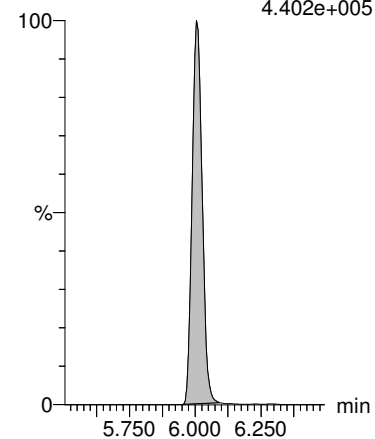
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
4.402e+005



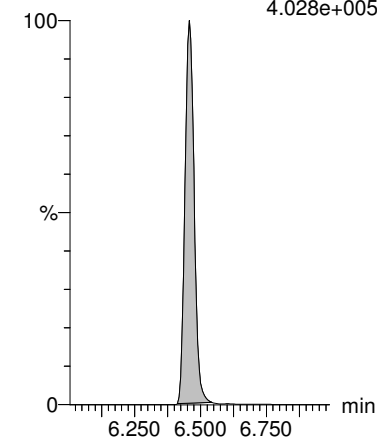
13C2-PFDaA

F55:MRM of 2 channels,ES-
615.0 > 569.7
4.402e+005



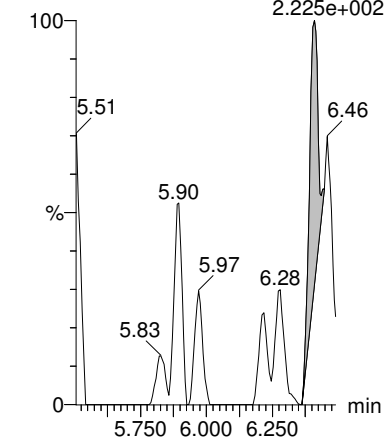
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.1 > 669.7
4.028e+005



d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
2.225e+002



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-54.qld

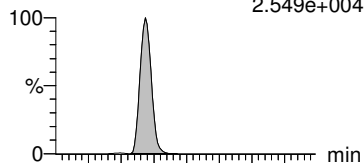
Last Altered: Thursday, October 25, 2018 09:29:57 Pacific Daylight Time

Printed: Thursday, October 25, 2018 09:30:22 Pacific Daylight Time

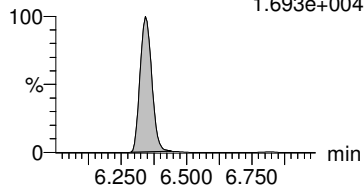
Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

N-EtFOSA

F41:MRM of 2 channels,ES-
526.1 > 168.9
2.549e+004

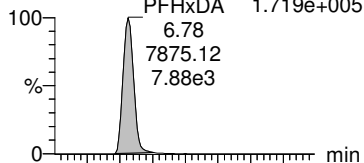


F41:MRM of 2 channels,ES-
526.1 > 219
1.693e+004

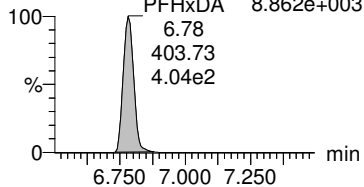


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.719e+005

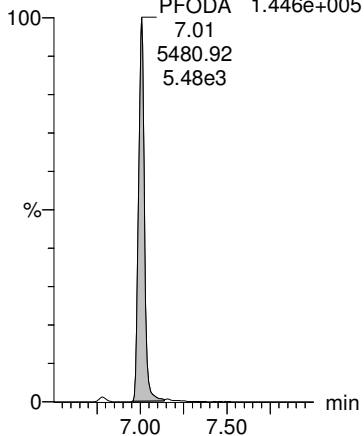


F63:MRM of 2 channels,ES-
813.1 > 219
8.862e+003



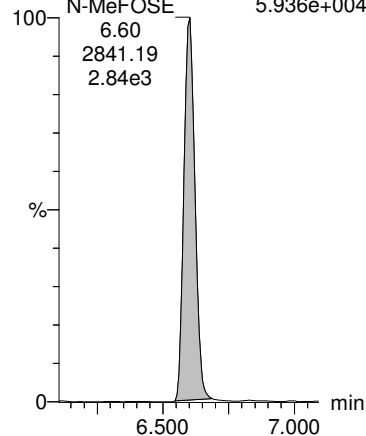
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
1.446e+005



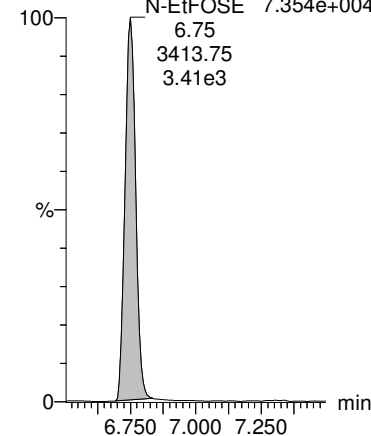
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
5.936e+004



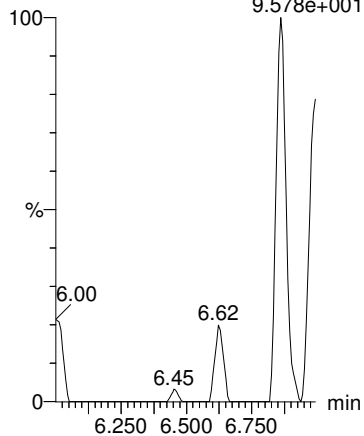
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
7.354e+004



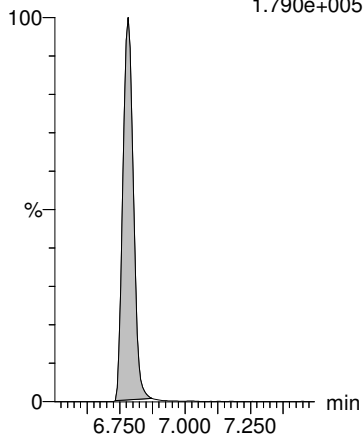
d5-N-ETFOSA

F44:MRM of 1 channel,ES-
531.1 > 168.9
9.578e+001



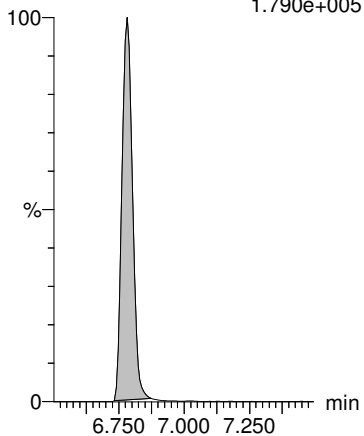
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.790e+005



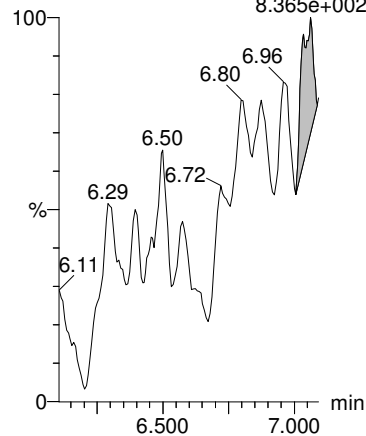
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.790e+005



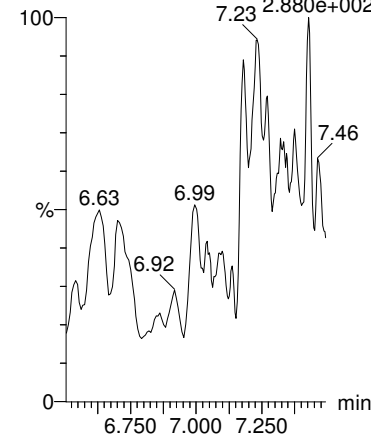
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
8.365e+002



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
2.880e+002



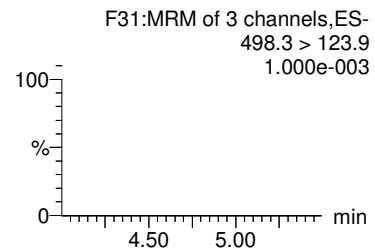
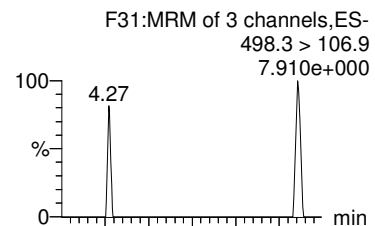
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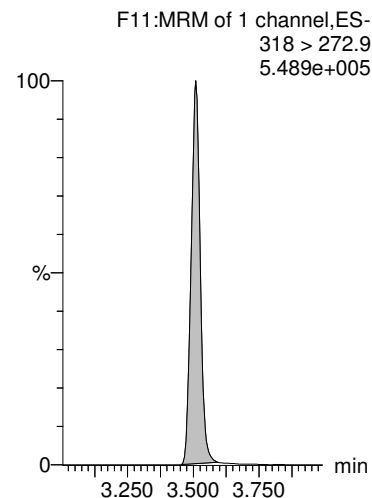
Printed: Thursday, October 25, 2018 09:30:22 Pacific Daylight Time

Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

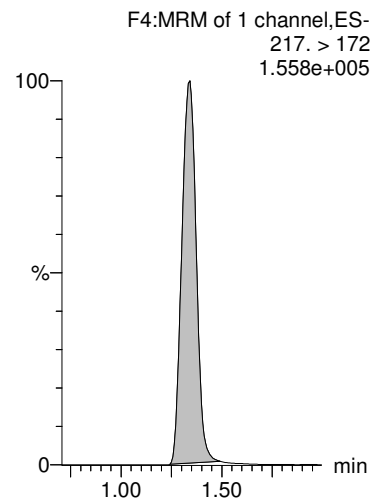
TCDA



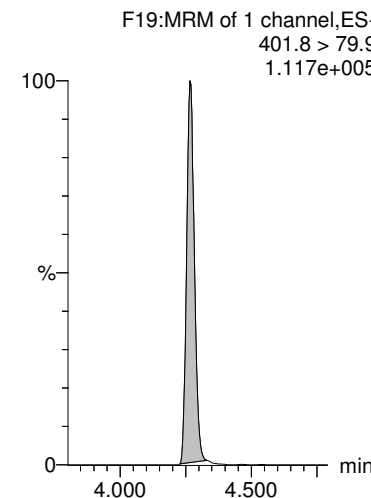
13C5-PFHxA



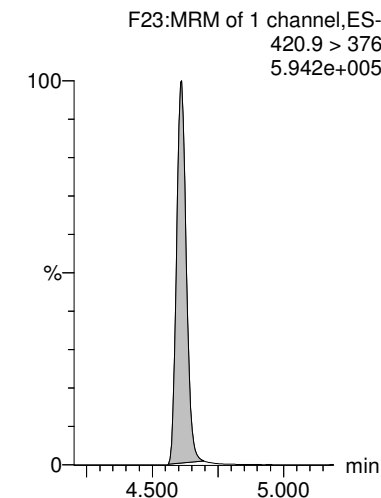
13C4-PFBA



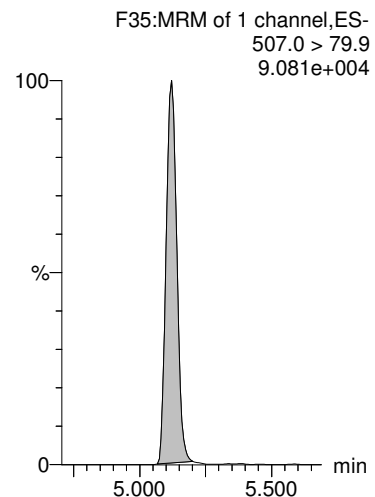
13C3-PFHxS



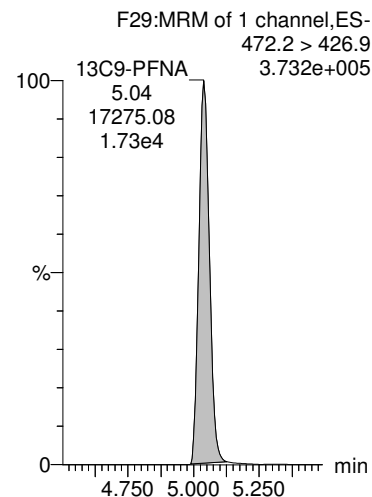
13C8-PFOA



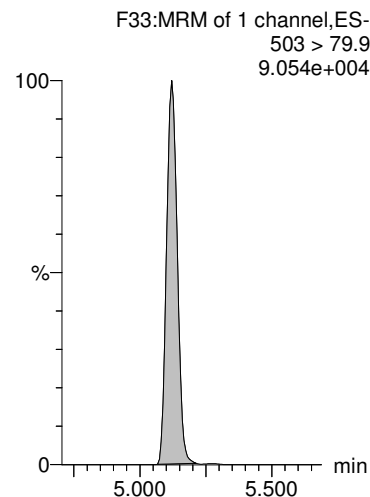
13C8-PFOS



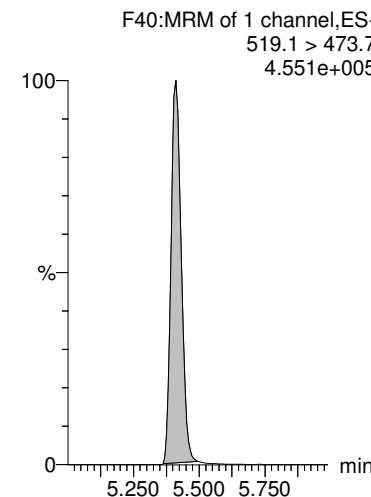
13C9-PFNA



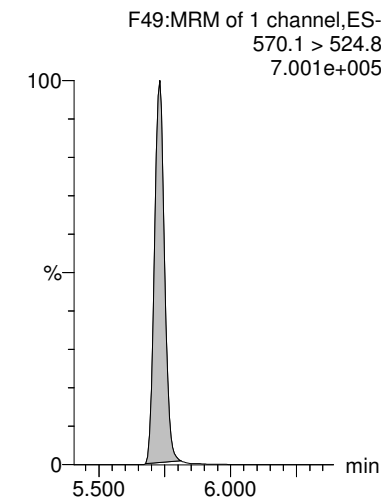
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-6.qld

Last Altered: Thursday, October 25, 2018 13:33:59 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:34:36 Pacific Daylight Time

Name: 181025M1_6, Date: 25-Oct-2018, Time: 09:51:21, ID: 1803339-01 OC-RW13-1018 0.1218, Description: OC-RW13-1018

	# Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3 PFBS	299.0 > 79.7		1.52e3	0.122		3.07						
2	7 PFHpA	363.0 > 318.9		7.69e3	0.122		4.25						
3	8 L-PFHxS	398.9 > 79.6		1.21e3	0.122		4.37						
4	68 Total PFHxS	398.9 > 79.6	0.00e0	1.21e3	0.122		4.28		0.000				
5	38 13C3-PFBS	302. > 98.8	1.52e3	3.11e3	0.122	0.488	3.00	3.07	6.11	102.7083	100.1		
6	41 13C4-PFHpA	367.2 > 321.8	7.69e3	1.51e4	0.122	0.513	4.21	4.25	6.37	101.9804	99.4		
7	42 18O2-PFHxS	403.0 > 102.6	1.21e3	3.11e3	0.122	0.397	4.34	4.37	4.88	101.0397	98.5		
8	42 18O2-PFHxS	403.0 > 102.6	1.21e3	3.11e3	0.122	0.397	4.34	4.37	4.88	101.0397	98.5		
9	-1												
10	11 L-PFOA	412.8 > 368.9		1.30e4	0.122		4.71						
11	69 Total PFOA	412.8 > 368.9	0.00e0	1.30e4	0.122		4.62		0.000				
12	16 L-PFOS	498.9 > 79.9	5.63e0	3.11e3	0.122		5.22	5.23	0.0226	0.3027		0.720	YES
13	70 Total PFOS	498.9 > 79.9	5.63e0	3.11e3	0.122		5.13		0.0226	0.3027			
14	44 13C2-PFOA	414.9 > 369.7	1.30e4	1.89e4	0.122	0.720	4.71	4.71	8.59	97.9927	95.5		
15	44 13C2-PFOA	414.9 > 369.7	1.30e4	1.89e4	0.122	0.720	4.71	4.71	8.59	97.9927	95.5		
16	47 13C8-PFOS	507.0 > 79.9	3.11e3	3.06e3	0.122	1.023	5.22	5.22	12.7	101.9091	99.3		
17	47 13C8-PFOS	507.0 > 79.9	3.11e3	3.06e3	0.122	1.023	5.22	5.22	12.7	101.9091	99.3		
18	-1												
19	14 PFNA	463.0 > 418.8		1.18e4	0.122		5.14						
20	73 TCDA	498.3>106.9			0.122		5.15						
21	61 13C5-PFHxA	318 > 272.9	1.51e4	1.51e4	0.122	1.000	3.58	3.62	12.5	102.6273	100.0		
22	63 13C8-PFOA	420.9 > 376	1.89e4	1.89e4	0.122	1.000	4.71	4.71	12.5	102.6273	100.0		
23	45 13C5-PFNA	468.2 > 422.9	1.18e4	1.23e4	0.122	0.969	5.14	5.15	12.0	101.6651	99.1		
24	47 13C8-PFOS	507.0 > 79.9	3.11e3	3.06e3	0.122	1.023	5.22	5.22	12.7	101.9091	99.3		
25	64 13C9-PFNA	472.2 > 426.9	1.23e4	1.23e4	0.122	1.000	5.14	5.14	12.5	102.6273	100.0		
26	62 13C3-PFHxS	401.8 > 79.9	3.11e3	3.11e3	0.122	1.000	4.34	4.37	12.5	102.6273	100.0		
27	65 13C4-PFOS	503 > 79.9	3.06e3	3.06e3	0.122	1.000	5.22	5.22	12.5	102.6273	100.0		

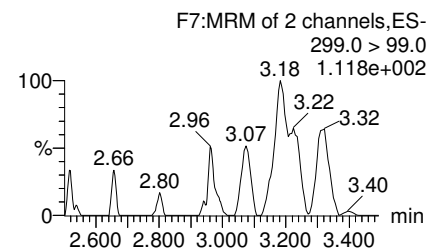
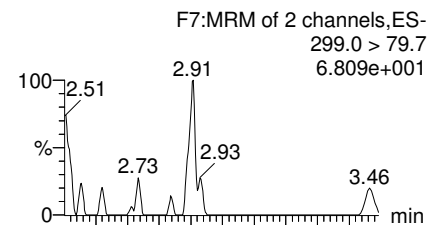
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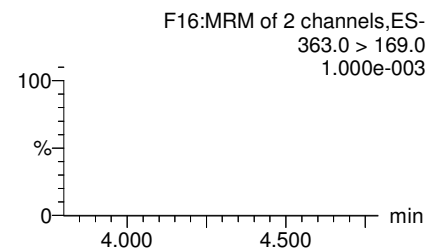
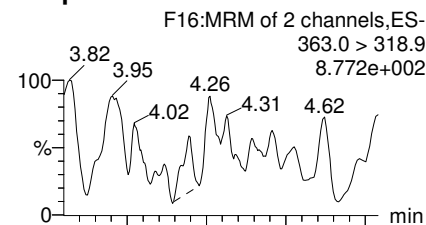
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Name: 181025M1_6, Date: 25-Oct-2018, Time: 09:51:21, ID: 1803339-01 OC-RW13-1018 0.1218, Description: OC-RW13-1018

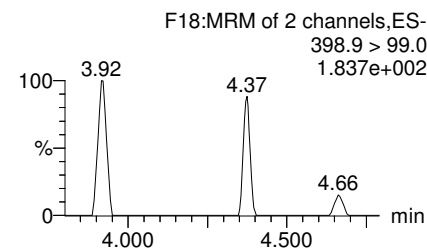
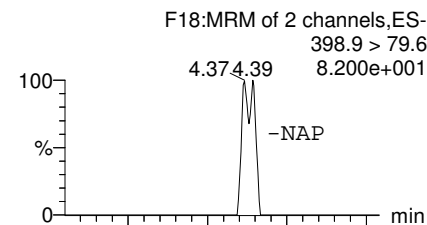
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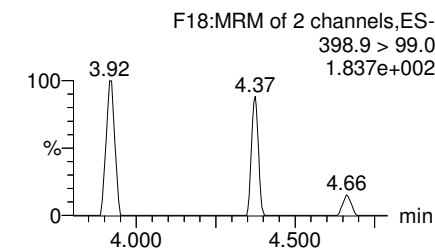
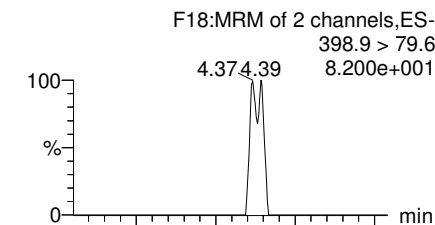
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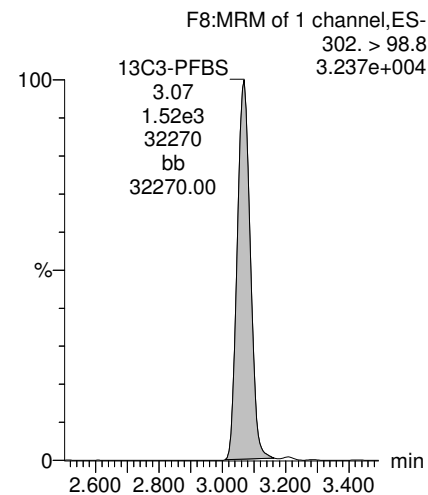
L-PFHxS



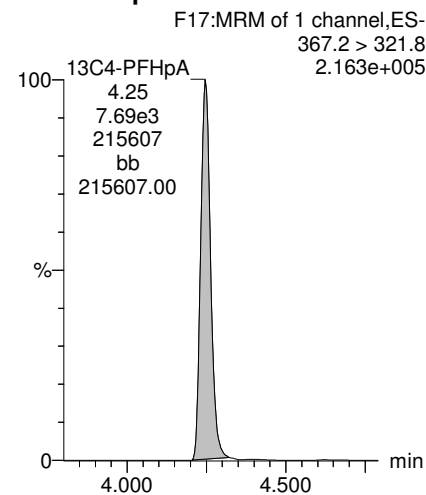
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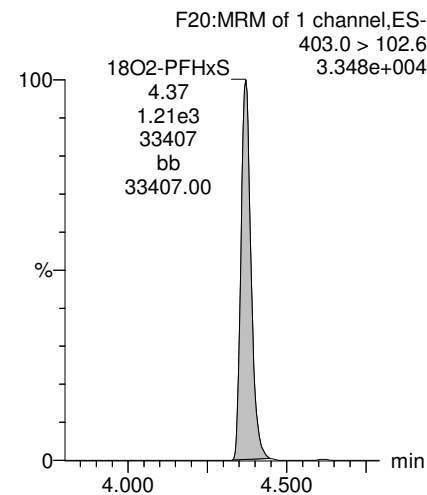
13C3-PFBS



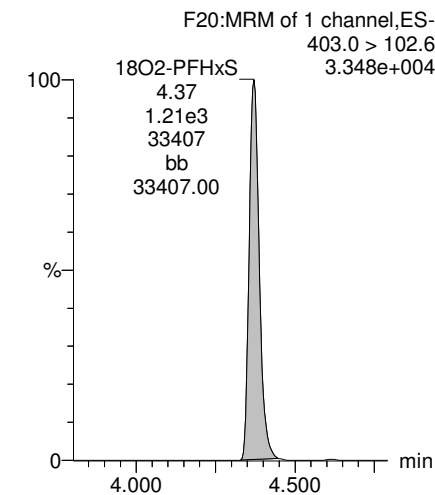
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS

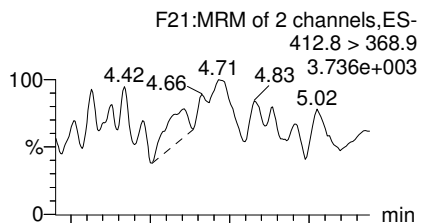


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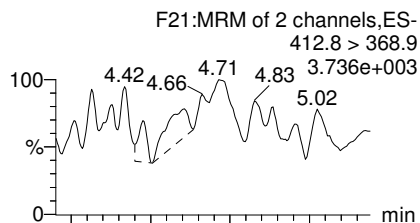
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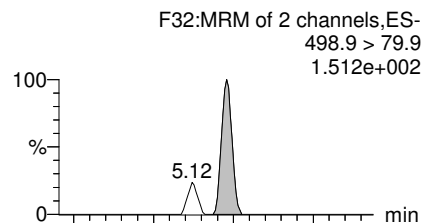
L-PFOA



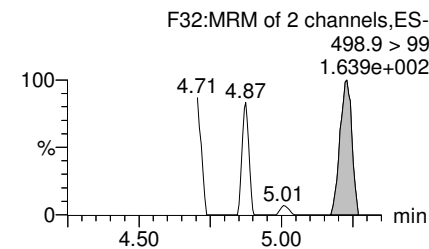
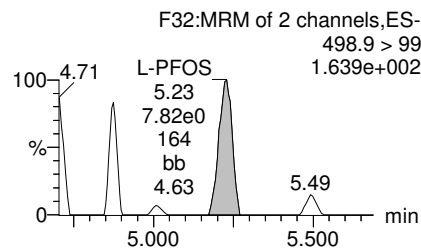
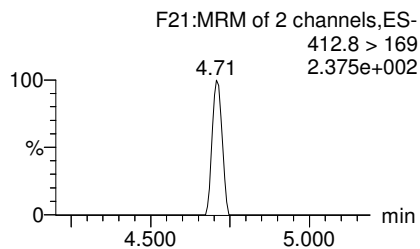
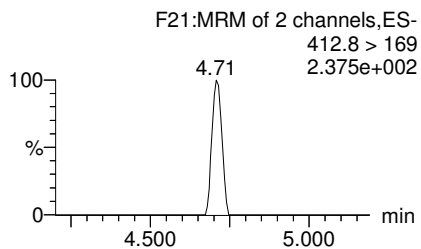
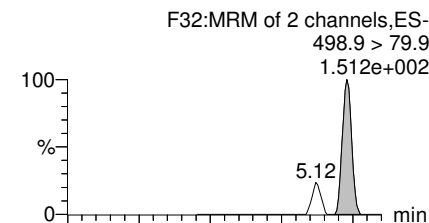
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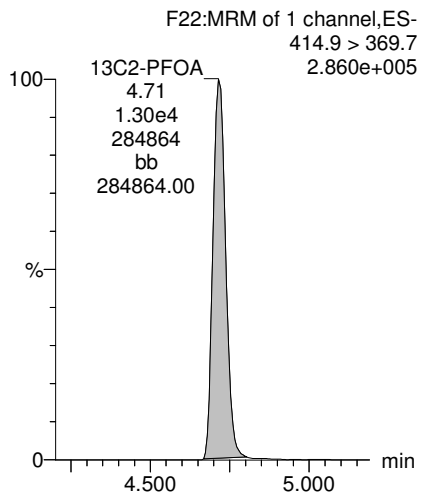
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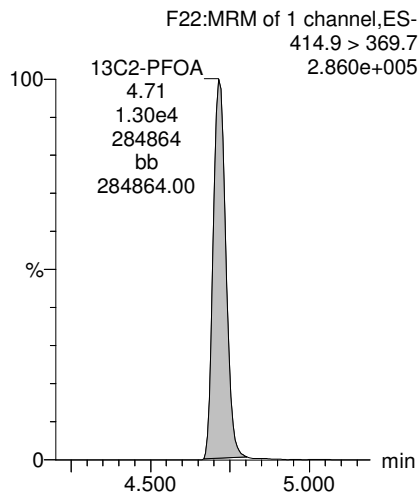
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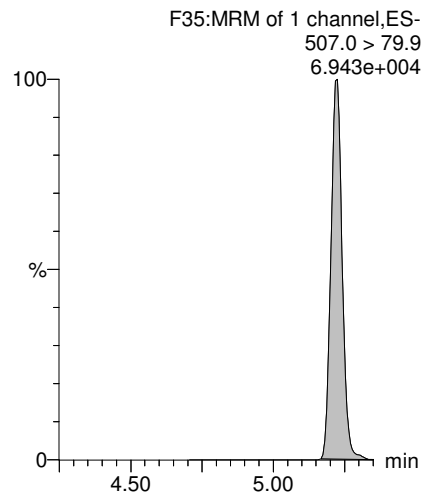
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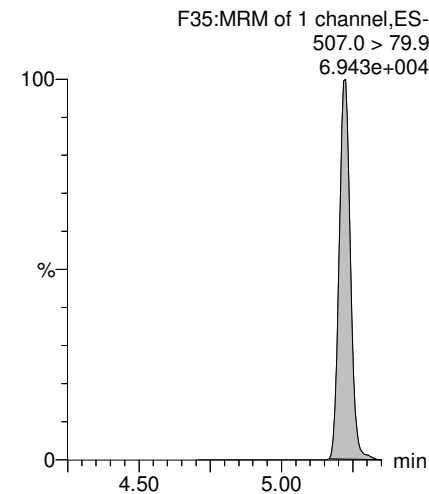
13C2-PFOA



13C8-PFOS



13C8-PFOS

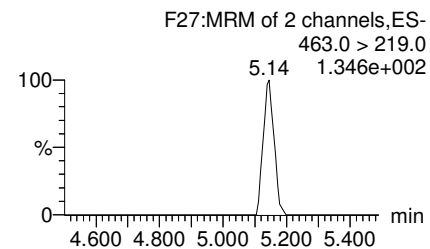
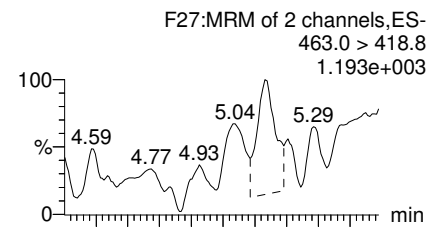


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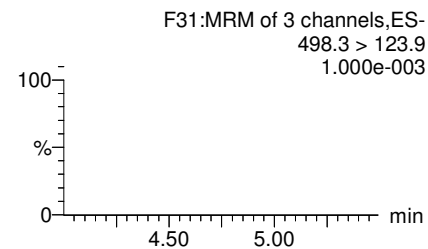
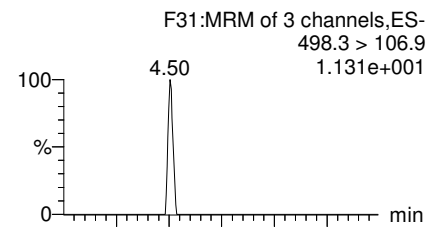
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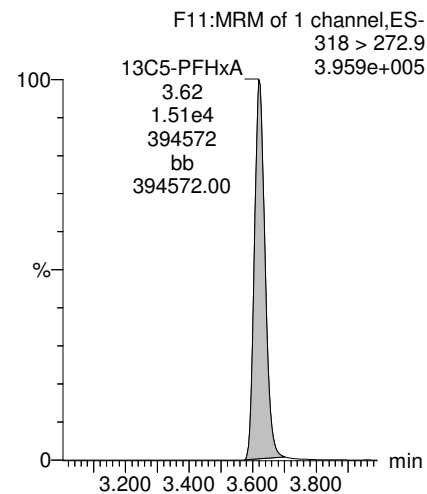
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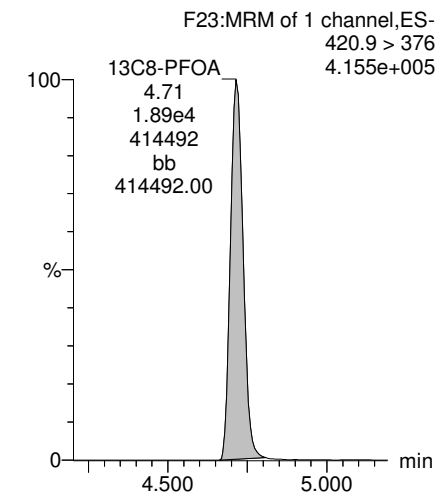
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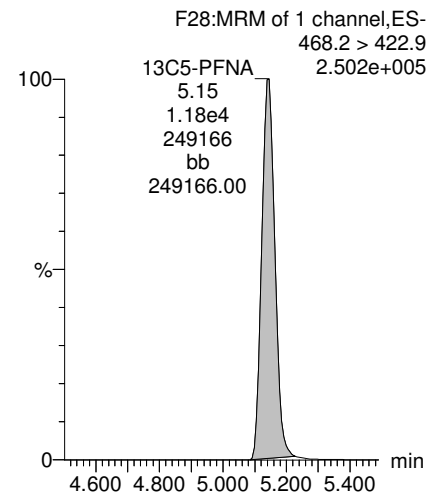
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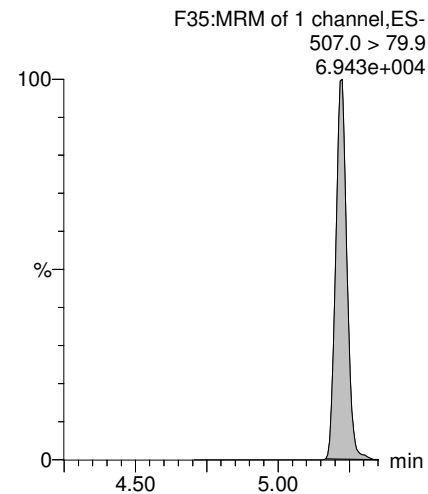
13C8-PFOA



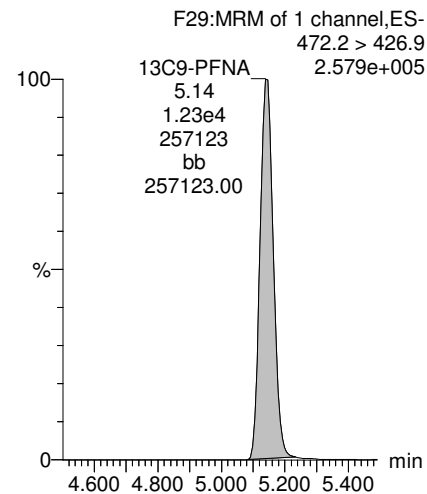
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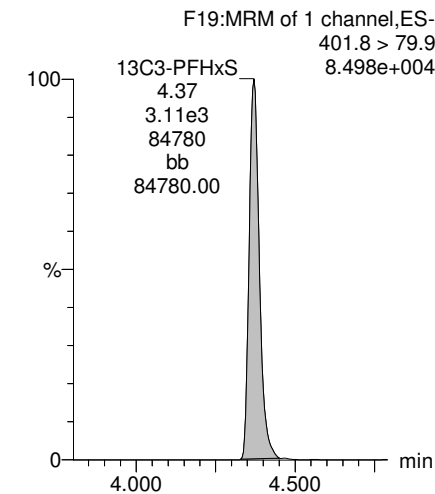
13C8-PFOS



13C9-PFNA



13C3-PFHxS



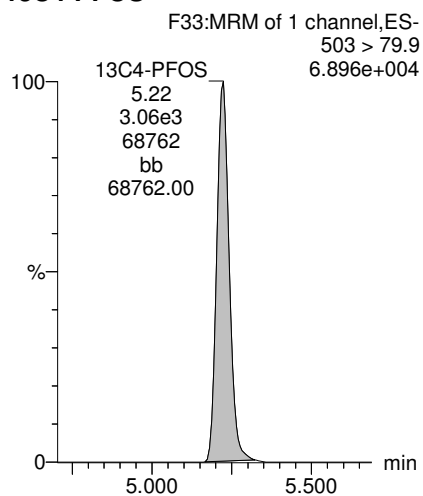
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Name: 181025M1_6, Date: 25-Oct-2018, Time: 09:51:21, ID: 1803339-01 OC-RW13-1018 0.1218, Description: OC-RW13-1018

13C4-PFOS



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-9.qld

Last Altered: Thursday, October 25, 2018 13:37:23 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:38:06 Pacific Daylight Time

Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

#	Name	Trace	Area	IS Area	wt/vol	RRF Mean	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	3	PFBS	299.0 > 79.7		1.64e3	0.125		3.06					
2	7	PFHpA	363.0 > 318.9		8.56e3	0.125		4.23					
3	8	L-PFHxS	398.9 > 79.6	6.82e0	1.34e3	0.125		4.36	4.36	0.0637	0.5738	1.923	NO
4	68	Total PFHxS	398.9 > 79.6	6.82e0	1.34e3	0.125		4.28		0.0637	0.5738		
5	38	13C3-PFBS	302. > 98.8	1.64e3	3.32e3	0.125	0.488	3.00	3.06	6.17	101.3253	101.0	
6	41	13C4-PFHpA	367.2 > 321.8	8.56e3	1.68e4	0.125	0.513	4.21	4.24	6.38	99.8250	99.5	
7	42	18O2-PFHxS	403.0 > 102.6	1.34e3	3.32e3	0.125	0.397	4.34	4.36	5.04	102.0658	101.8	
8	42	18O2-PFHxS	403.0 > 102.6	1.34e3	3.32e3	0.125	0.397	4.34	4.36	5.04	102.0658	101.8	
9	-1												
10	11	L-PFOA	412.8 > 368.9		1.37e4	0.125		4.71					
11	69	Total PFOA	412.8 > 368.9	0.00e0	1.37e4	0.125		4.62		0.000			
12	16	L-PFOS	498.9 > 79.9		3.45e3	0.125		5.22					
13	70	Total PFOS	498.9 > 79.9	0.00e0	3.45e3	0.125		5.13		0.000			
14	44	13C2-PFOA	414.9 > 369.7	1.37e4	2.12e4	0.125	0.720	4.71	4.70	8.10	90.2562	90.0	
15	44	13C2-PFOA	414.9 > 369.7	1.37e4	2.12e4	0.125	0.720	4.71	4.70	8.10	90.2562	90.0	
16	47	13C8-PFOS	507.0 > 79.9	3.45e3	3.68e3	0.125	1.023	5.22	5.21	11.7	91.7874	91.5	
17	47	13C8-PFOS	507.0 > 79.9	3.45e3	3.68e3	0.125	1.023	5.22	5.21	11.7	91.7874	91.5	
18	-1												
19	14	PFNA	463.0 > 418.8		1.13e4	0.125		5.14					
20	73	TCDA	498.3>106.9			0.125		5.15					
21	61	13C5-PFHxA	318 > 272.9	1.68e4	1.68e4	0.125	1.000	3.58	3.61	12.5	100.2969	100.0	
22	63	13C8-PFOA	420.9 > 376	2.12e4	2.12e4	0.125	1.000	4.71	4.70	12.5	100.2969	100.0	
23	45	13C5-PFNA	468.2 > 422.9	1.13e4	1.42e4	0.125	0.969	5.14	5.13	9.94	82.3089	82.1	
24	47	13C8-PFOS	507.0 > 79.9	3.45e3	3.68e3	0.125	1.023	5.22	5.21	11.7	91.7874	91.5	
25	64	13C9-PFNA	472.2 > 426.9	1.42e4	1.42e4	0.125	1.000	5.14	5.13	12.5	100.2969	100.0	
26	62	13C3-PFHxS	401.8 > 79.9	3.32e3	3.32e3	0.125	1.000	4.34	4.36	12.5	100.2969	100.0	
27	65	13C4-PFOS	503 > 79.9	3.68e3	3.68e3	0.125	1.000	5.22	5.21	12.5	100.2969	100.0	

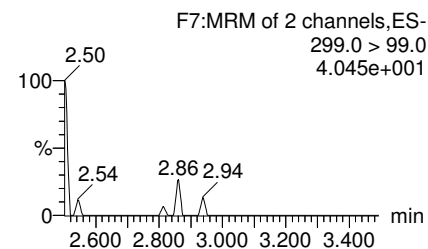
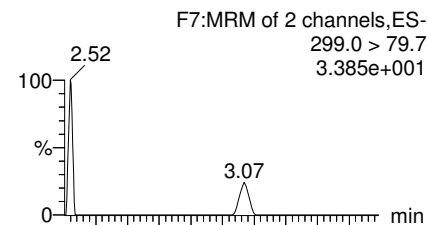
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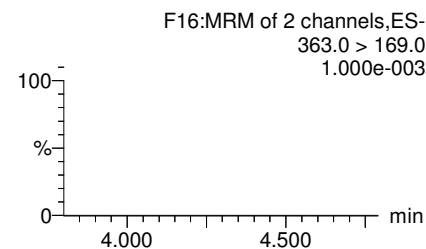
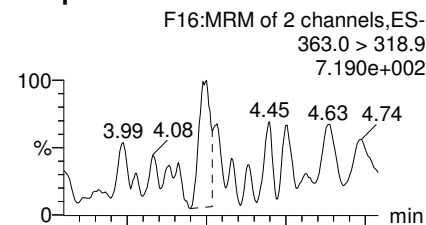
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Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

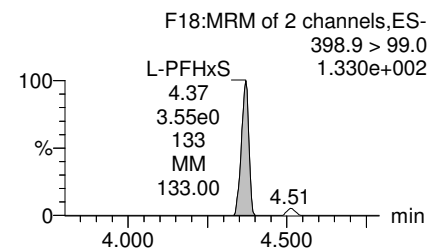
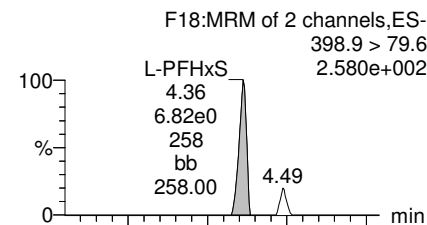
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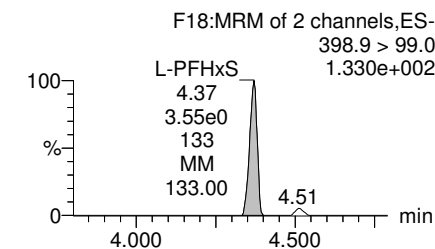
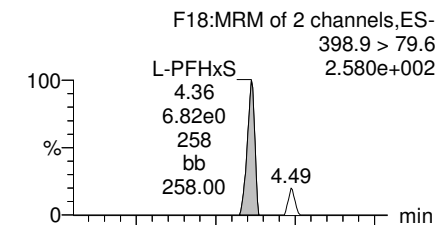
PFHpA



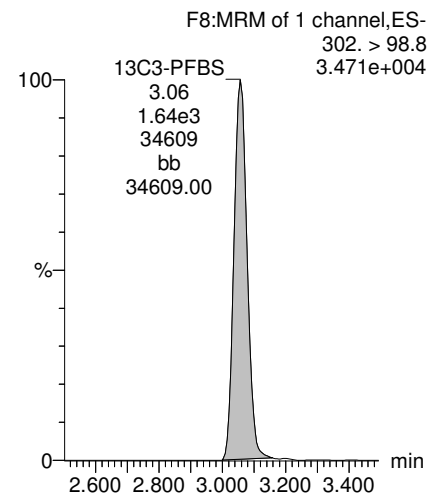
L-PFHxS



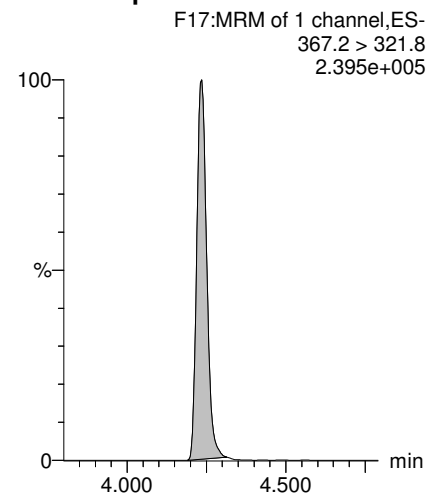
Total PFHxS



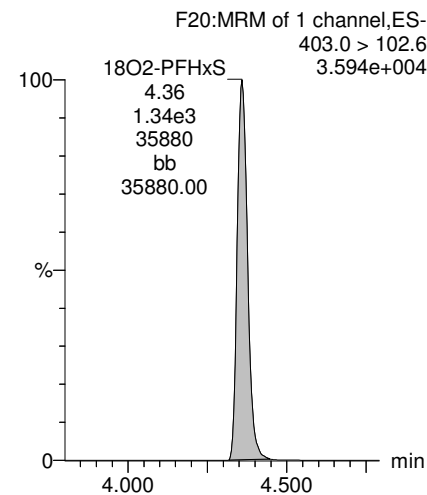
13C3-PFBS



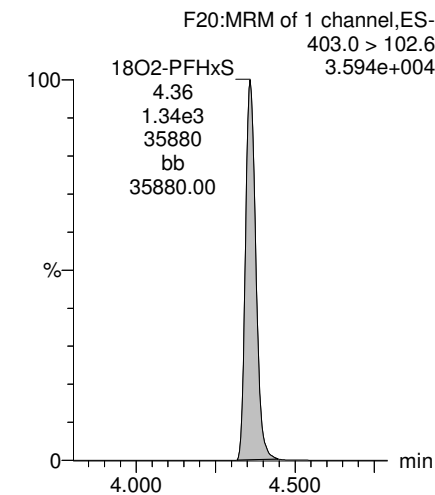
13C4-PFHpA



18O2-PFHxS



18O2-PFHxS

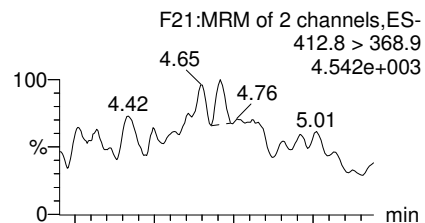


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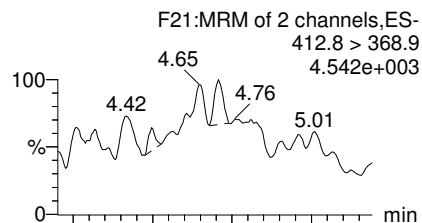
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Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

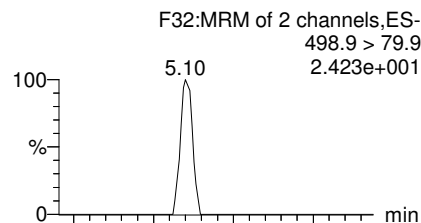
L-PFOA



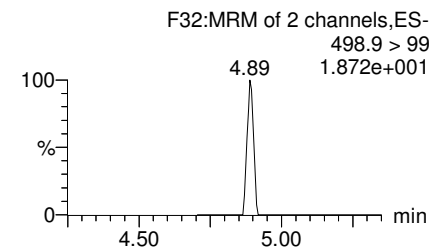
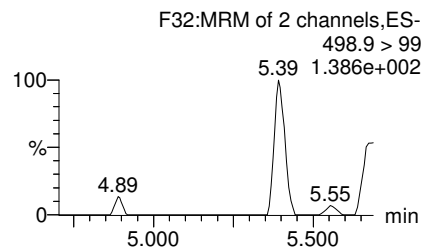
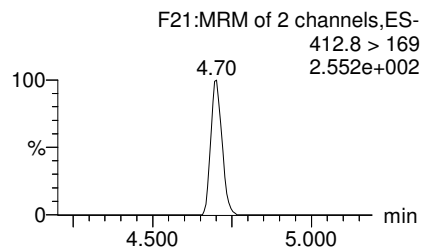
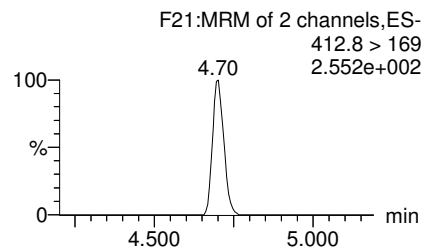
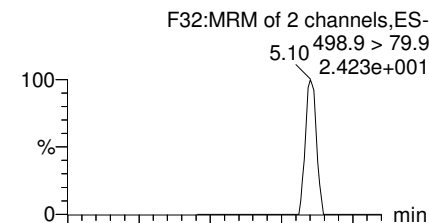
Total PFOA



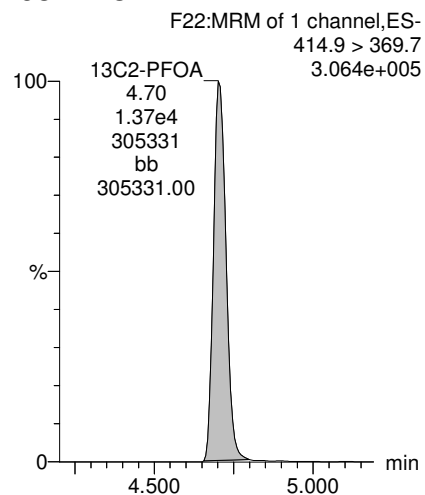
L-PFOS



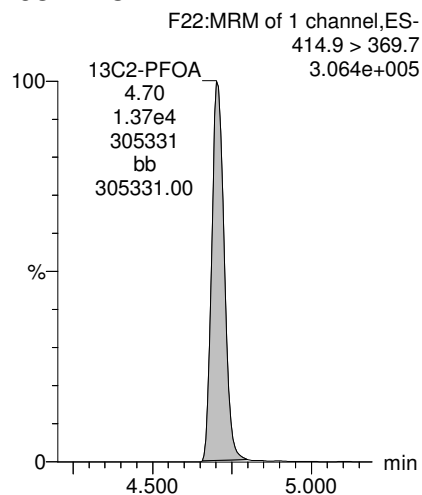
Total PFOS



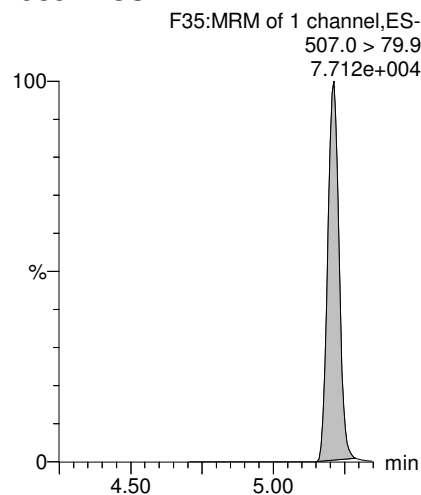
13C2-PFOA



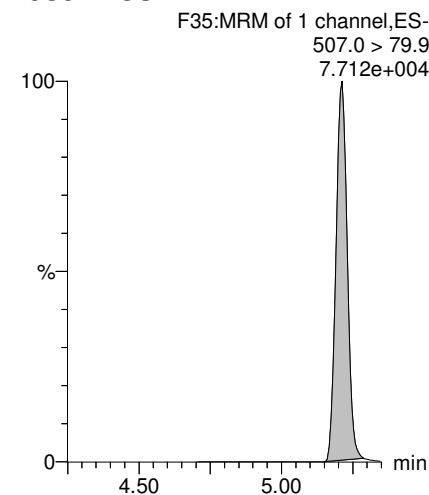
13C2-PFOA



13C8-PFOS



13C8-PFOS



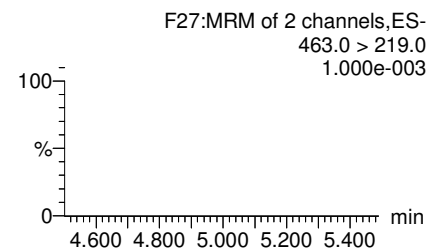
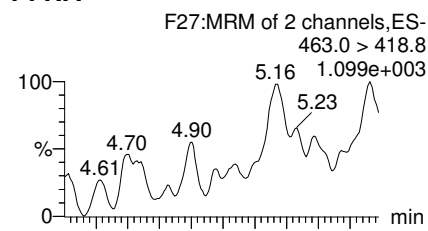
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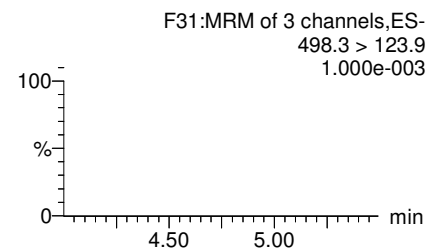
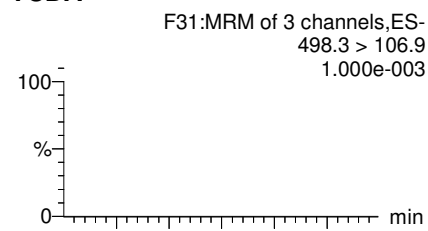
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Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

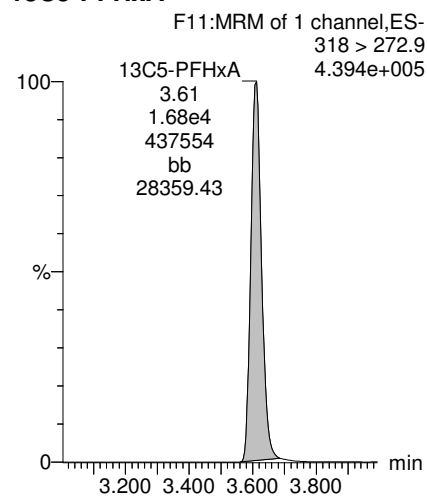
PFNA



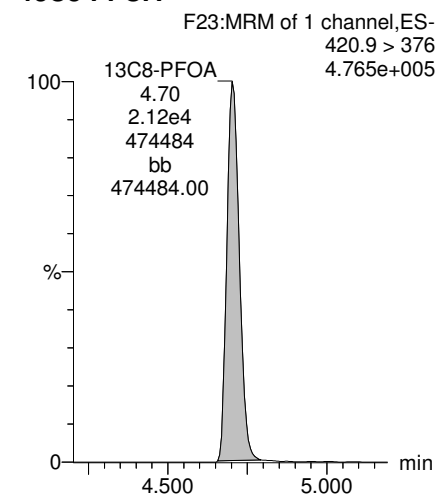
TCDA



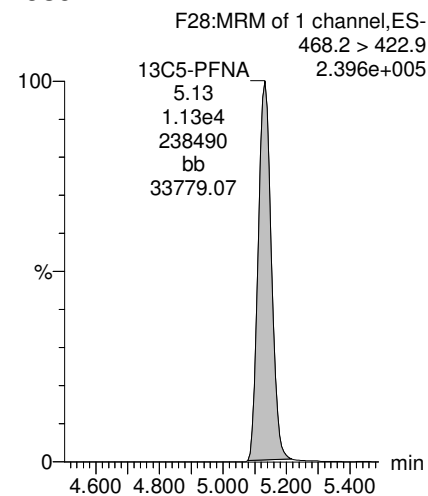
13C5-PFHxA



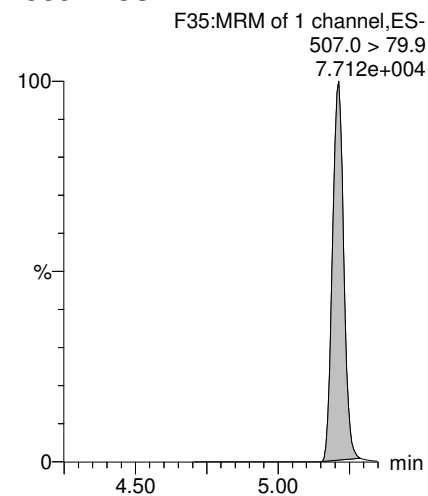
13C8-PFOA



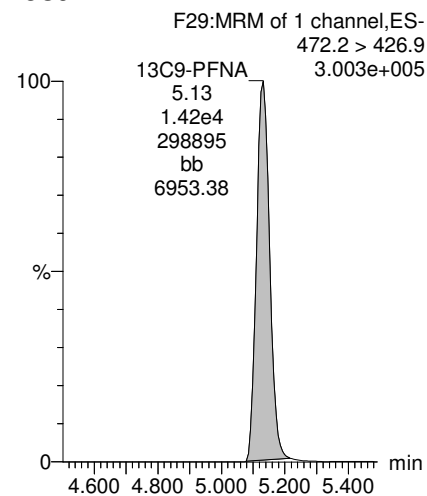
13C5-PFNA



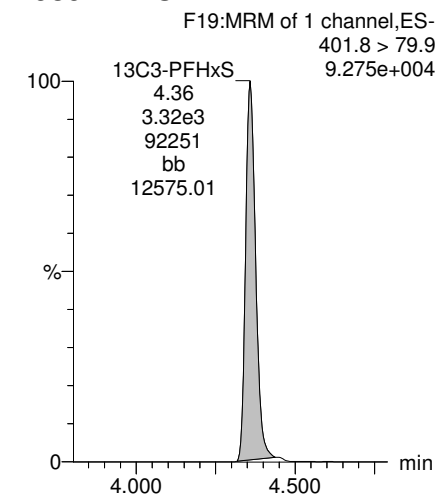
13C8-PFOS



13C9-PFNA



13C3-PFHxS

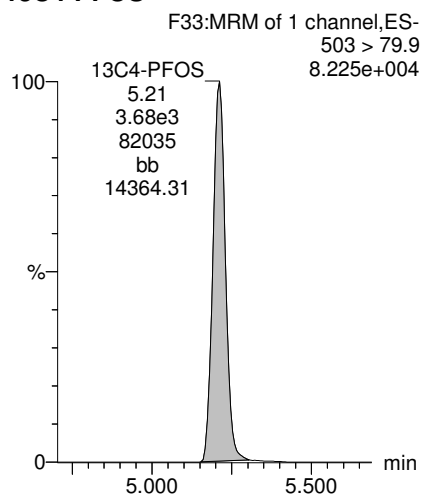


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Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

13C4-PFOS



**INJECTION INTERNAL STANDARD (IIS) AREAS,
INSTRUMENT BLANKS (IB)
AND
CONTINUING CALIBRATION VERIFICATIONS (CCV)**

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-10-23-18.mdb 24 Oct 2018 10:12:29
Calibration: 25 Oct 2018 09:20:23

Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-6 PFC CS3 18J1707	1.46e4	100.0	NO
2	2 13C5-PFHxA	ST181024M2-6 PFC CS3 18J1707	2.15e4	100.0	NO
3	3 13C3-PFHxS	ST181024M2-6 PFC CS3 18J1707	3.61e3	100.0	NO
4	4 13C8-PFOA	ST181024M2-6 PFC CS3 18J1707	2.74e4	100.0	NO
5	5 13C9-PFNA	ST181024M2-6 PFC CS3 18J1707	1.97e4	100.0	NO
6	6 13C4-PFOS	ST181024M2-6 PFC CS3 18J1707	3.60e3	100.0	NO
7	7 13C6-PFDA	ST181024M2-6 PFC CS3 18J1707	2.02e4	100.0	NO
8	8 13C7-PFUDa	ST181024M2-6 PFC CS3 18J1707	2.70e4	100.0	NO

Name: 181024M2_8, Date: 24-Oct-2018, Time: 12:22:34, ID: ST181024M2-7 PFC CS4 18J1708, Description: PFC CS4 18J1708

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-7 PFC CS4 18J1708	1.49e4	102.2	NO
2	2 13C5-PFHxA	ST181024M2-7 PFC CS4 18J1708	2.08e4	97.1	NO
3	3 13C3-PFHxS	ST181024M2-7 PFC CS4 18J1708	3.56e3	98.5	NO
4	4 13C8-PFOA	ST181024M2-7 PFC CS4 18J1708	2.68e4	97.9	NO
5	5 13C9-PFNA	ST181024M2-7 PFC CS4 18J1708	1.92e4	97.3	NO
6	6 13C4-PFOS	ST181024M2-7 PFC CS4 18J1708	3.76e3	104.6	NO
7	7 13C6-PFDA	ST181024M2-7 PFC CS4 18J1708	1.99e4	98.9	NO
8	8 13C7-PFUDa	ST181024M2-7 PFC CS4 18J1708	2.63e4	97.3	NO

Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-8 PFC CS5 18J1709	1.49e4	102.3	NO
2	2 13C5-PFHxA	ST181024M2-8 PFC CS5 18J1709	2.04e4	95.1	NO
3	3 13C3-PFHxS	ST181024M2-8 PFC CS5 18J1709	3.66e3	101.2	NO
4	4 13C8-PFOA	ST181024M2-8 PFC CS5 18J1709	2.57e4	93.7	NO
5	5 13C9-PFNA	ST181024M2-8 PFC CS5 18J1709	1.76e4	89.3	NO
6	6 13C4-PFOS	ST181024M2-8 PFC CS5 18J1709	3.67e3	102.1	NO
7	7 13C6-PFDA	ST181024M2-8 PFC CS5 18J1709	1.91e4	95.0	NO
8	8 13C7-PFUDa	ST181024M2-8 PFC CS5 18J1709	2.61e4	96.6	NO

Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-9 PFC CS6 18J1710	1.36e4	93.2	NO
2	2 13C5-PFHxA	ST181024M2-9 PFC CS6 18J1710	1.81e4	84.2	NO
3	3 13C3-PFHxS	ST181024M2-9 PFC CS6 18J1710	3.15e3	87.2	NO
4	4 13C8-PFOA	ST181024M2-9 PFC CS6 18J1710	2.16e4	78.8	NO
5	5 13C9-PFNA	ST181024M2-9 PFC CS6 18J1710	1.47e4	74.5	NO
6	6 13C4-PFOS	ST181024M2-9 PFC CS6 18J1710	3.24e3	90.2	NO
7	7 13C6-PFDA	ST181024M2-9 PFC CS6 18J1710	1.57e4	77.8	NO
8	8 13C7-PFUDa	ST181024M2-9 PFC CS6 18J1710	2.21e4	81.9	NO

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Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-10 PFC CS7 18J1711	1.19e4	81.6	NO
2	2 13C5-PFHxA	ST181024M2-10 PFC CS7 18J1711	1.52e4	70.8	NO
3	3 13C3-PFHxS	ST181024M2-10 PFC CS7 18J1711	2.38e3	65.7	NO
4	4 13C8-PFOA	ST181024M2-10 PFC CS7 18J1711	1.84e4	67.2	NO
5	5 13C9-PFNA	ST181024M2-10 PFC CS7 18J1711	1.17e4	59.5	NO
6	6 13C4-PFOS	ST181024M2-10 PFC CS7 18J1711	2.76e3	76.7	NO
7	7 13C6-PFDA	ST181024M2-10 PFC CS7 18J1711	1.31e4	65.0	NO
8	8 13C7-PFUDa	ST181024M2-10 PFC CS7 18J1711	1.81e4	66.8	NO

Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV181024M2-1 PFC ICV 18J2201	1.50e4	103.1	NO
2	2 13C5-PFHxA	ICV181024M2-1 PFC ICV 18J2201	2.16e4	100.7	NO
3	3 13C3-PFHxS	ICV181024M2-1 PFC ICV 18J2201	3.48e3	96.2	NO
4	4 13C8-PFOA	ICV181024M2-1 PFC ICV 18J2201	2.69e4	97.9	NO
5	5 13C9-PFNA	ICV181024M2-1 PFC ICV 18J2201	1.95e4	98.7	NO
6	6 13C4-PFOS	ICV181024M2-1 PFC ICV 18J2201	3.80e3	105.6	NO
7	7 13C6-PFDA	ICV181024M2-1 PFC ICV 18J2201	2.03e4	100.6	NO
8	8 13C7-PFUDa	ICV181024M2-1 PFC ICV 18J2201	2.87e4	106.2	NO

Name: 181024M2_14, Date: 24-Oct-2018, Time: 13:26:08, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

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Name: 181024M2_15, Date: 24-Oct-2018, Time: 13:36:47, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 181024M2_16, Date: 24-Oct-2018, Time: 13:47:20, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA	5.57e0	0.0	YES

Name: 181024M2_17, Date: 24-Oct-2018, Time: 13:57:58, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 181024M2_18, Date: 24-Oct-2018, Time: 14:08:31, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

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Name: 181024M2_19, Date: 24-Oct-2018, Time: 14:20:31, ID: 1803344-04 REEPEF448 0.11801, Description: REEPEF448

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-04 REEPEF448 0.11801	1.19e4	81.4	NO
2	2 13C5-PFHxA	1803344-04 REEPEF448 0.11801	1.35e4	62.9	NO
3	3 13C3-PFHxS	1803344-04 REEPEF448 0.11801	4.16e3	115.0	NO
4	4 13C8-PFOA	1803344-04 REEPEF448 0.11801	1.27e4	46.5	YES
5	5 13C9-PFNA	1803344-04 REEPEF448 0.11801	8.88e3	45.0	YES
6	6 13C4-PFOS	1803344-04 REEPEF448 0.11801	4.42e3	122.9	NO
7	7 13C6-PFDA	1803344-04 REEPEF448 0.11801	1.03e4	51.0	NO
8	8 13C7-PFUDa	1803344-04 REEPEF448 0.11801	1.43e4	52.9	NO

Name: 181024M2_20, Date: 24-Oct-2018, Time: 14:31:03, ID: 1803344-11 REEPAR450 0.11995, Description: REEPAR450

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-11 REEPAR450 0.11995	1.19e4	81.8	NO
2	2 13C5-PFHxA	1803344-11 REEPAR450 0.11995	1.77e4	82.5	NO
3	3 13C3-PFHxS	1803344-11 REEPAR450 0.11995	3.68e3	101.8	NO
4	4 13C8-PFOA	1803344-11 REEPAR450 0.11995	2.09e4	76.1	NO
5	5 13C9-PFNA	1803344-11 REEPAR450 0.11995	1.48e4	74.7	NO
6	6 13C4-PFOS	1803344-11 REEPAR450 0.11995	3.98e3	110.8	NO
7	7 13C6-PFDA	1803344-11 REEPAR450 0.11995	1.67e4	82.6	NO
8	8 13C7-PFUDa	1803344-11 REEPAR450 0.11995	2.30e4	85.1	NO

Name: 181024M2_21, Date: 24-Oct-2018, Time: 14:41:41, ID: 1803344-12 REEPAC450 0.11927, Description: REEPAC450

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-12 REEPAC450 0.11927	9.47e3	64.9	NO
2	2 13C5-PFHxA	1803344-12 REEPAC450 0.11927	1.16e4	53.9	NO
3	3 13C3-PFHxS	1803344-12 REEPAC450 0.11927	3.80e3	105.0	NO
4	4 13C8-PFOA	1803344-12 REEPAC450 0.11927	1.13e4	41.3	YES
5	5 13C9-PFNA	1803344-12 REEPAC450 0.11927	8.02e3	40.6	YES
6	6 13C4-PFOS	1803344-12 REEPAC450 0.11927	4.08e3	113.4	NO
7	7 13C6-PFDA	1803344-12 REEPAC450 0.11927	9.49e3	47.1	YES
8	8 13C7-PFUDa	1803344-12 REEPAC450 0.11927	1.42e4	52.5	NO

Name: 181024M2_22, Date: 24-Oct-2018, Time: 14:52:14, ID: 1803344-13 REEPEF451 0.11832, Description: REEPEF451

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-13 REEPEF451 0.11832	1.27e4	86.8	NO
2	2 13C5-PFHxA	1803344-13 REEPEF451 0.11832	1.77e4	82.3	NO
3	3 13C3-PFHxS	1803344-13 REEPEF451 0.11832	4.08e3	112.9	NO
4	4 13C8-PFOA	1803344-13 REEPEF451 0.11832	1.76e4	64.2	NO
5	5 13C9-PFNA	1803344-13 REEPEF451 0.11832	1.36e4	68.7	NO
6	6 13C4-PFOS	1803344-13 REEPEF451 0.11832	4.19e3	116.6	NO
7	7 13C6-PFDA	1803344-13 REEPEF451 0.11832	1.59e4	78.8	NO
8	8 13C7-PFUDa	1803344-13 REEPEF451 0.11832	2.30e4	84.9	NO

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Name: 181024M2_23, Date: 24-Oct-2018, Time: 15:02:53, ID: 1803344-14 REEPAR451 0.11408, Description: REEPAR451

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-14 REEPAR451 0.11408	6.59e3	45.1	YES
2	2 13C5-PFHxA	1803344-14 REEPAR451 0.11408	5.35e3	24.9	YES
3	3 13C3-PFHxS	1803344-14 REEPAR451 0.11408	4.17e3	115.3	NO
4	4 13C8-PFOA	1803344-14 REEPAR451 0.11408	6.65e3	24.3	YES
5	5 13C9-PFNA	1803344-14 REEPAR451 0.11408	5.01e3	25.4	YES
6	6 13C4-PFOS	1803344-14 REEPAR451 0.11408	4.32e3	120.1	NO
7	7 13C6-PFDA	1803344-14 REEPAR451 0.11408	6.37e3	31.6	YES
8	8 13C7-PFUDa	1803344-14 REEPAR451 0.11408	1.02e4	37.6	YES

Name: 181024M2_24, Date: 24-Oct-2018, Time: 15:13:25, ID: 1803344-15 REEPAR679 0.11862, Description: REEPAR679

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-15 REEPAR679 0.11862	1.20e4	82.4	NO
2	2 13C5-PFHxA	1803344-15 REEPAR679 0.11862	1.74e4	81.3	NO
3	3 13C3-PFHxS	1803344-15 REEPAR679 0.11862	4.15e3	114.8	NO
4	4 13C8-PFOA	1803344-15 REEPAR679 0.11862	1.96e4	71.4	NO
5	5 13C9-PFNA	1803344-15 REEPAR679 0.11862	1.40e4	70.7	NO
6	6 13C4-PFOS	1803344-15 REEPAR679 0.11862	4.45e3	123.8	NO
7	7 13C6-PFDA	1803344-15 REEPAR679 0.11862	1.62e4	80.3	NO
8	8 13C7-PFUDa	1803344-15 REEPAR679 0.11862	2.27e4	83.9	NO

Name: 181024M2_25, Date: 24-Oct-2018, Time: 15:24:04, ID: 1803344-16 REEPAC451 0.11773, Description: REEPAC451

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-16 REEPAC451 0.11773	1.35e4	92.7	NO
2	2 13C5-PFHxA	1803344-16 REEPAC451 0.11773	1.97e4	91.9	NO
3	3 13C3-PFHxS	1803344-16 REEPAC451 0.11773	4.27e3	118.1	NO
4	4 13C8-PFOA	1803344-16 REEPAC451 0.11773	2.26e4	82.5	NO
5	5 13C9-PFNA	1803344-16 REEPAC451 0.11773	1.62e4	82.2	NO
6	6 13C4-PFOS	1803344-16 REEPAC451 0.11773	4.53e3	125.9	NO
7	7 13C6-PFDA	1803344-16 REEPAC451 0.11773	1.84e4	91.1	NO
8	8 13C7-PFUDa	1803344-16 REEPAC451 0.11773	2.47e4	91.4	NO

Name: 181024M2_26, Date: 24-Oct-2018, Time: 15:34:36, ID: 1803344-17 REEPIN451 0.11978, Description: REEPIN451

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-17 REEPIN451 0.11978	1.29e4	88.3	NO
2	2 13C5-PFHxA	1803344-17 REEPIN451 0.11978	1.83e4	85.1	NO
3	3 13C3-PFHxS	1803344-17 REEPIN451 0.11978	3.48e3	96.3	NO
4	4 13C8-PFOA	1803344-17 REEPIN451 0.11978	2.25e4	81.9	NO
5	5 13C9-PFNA	1803344-17 REEPIN451 0.11978	1.60e4	81.1	NO
6	6 13C4-PFOS	1803344-17 REEPIN451 0.11978	3.98e3	110.7	NO
7	7 13C6-PFDA	1803344-17 REEPIN451 0.11978	1.93e4	95.8	NO
8	8 13C7-PFUDa	1803344-17 REEPIN451 0.11978	2.70e4	99.7	NO

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Name: 181024M2_27, Date: 24-Oct-2018, Time: 15:45:14, ID: B8J0159-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0159-BS1 OPR 0.125	9.91e3	67.9	NO
2	2 13C5-PFHxA	B8J0159-BS1 OPR 0.125	1.57e4	73.0	NO
3	3 13C3-PFHxS	B8J0159-BS1 OPR 0.125	2.88e3	79.7	NO
4	4 13C8-PFOA	B8J0159-BS1 OPR 0.125	1.94e4	70.9	NO
5	5 13C9-PFNA	B8J0159-BS1 OPR 0.125	1.36e4	69.1	NO
6	6 13C4-PFOS	B8J0159-BS1 OPR 0.125	3.02e3	84.0	NO
7	7 13C6-PFDA	B8J0159-BS1 OPR 0.125	1.63e4	80.6	NO
8	8 13C7-PFUDa	B8J0159-BS1 OPR 0.125	2.24e4	82.8	NO

Name: 181024M2_28, Date: 24-Oct-2018, Time: 15:55:47, ID: B8J0159-MS1 Matrix Spike 0.11953, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0159-MS1 Matrix Spike 0.11953	9.34e3	64.0	NO
2	2 13C5-PFHxA	B8J0159-MS1 Matrix Spike 0.11953	1.35e4	62.8	NO
3	3 13C3-PFHxS	B8J0159-MS1 Matrix Spike 0.11953	2.72e3	75.2	NO
4	4 13C8-PFOA	B8J0159-MS1 Matrix Spike 0.11953	1.58e4	57.7	NO
5	5 13C9-PFNA	B8J0159-MS1 Matrix Spike 0.11953	1.13e4	57.4	NO
6	6 13C4-PFOS	B8J0159-MS1 Matrix Spike 0.11953	2.84e3	78.9	NO
7	7 13C6-PFDA	B8J0159-MS1 Matrix Spike 0.11953	1.35e4	67.1	NO
8	8 13C7-PFUDa	B8J0159-MS1 Matrix Spike 0.11953	1.96e4	72.6	NO

Name: 181024M2_29, Date: 24-Oct-2018, Time: 16:06:26, ID: B8J0159-MSD1 Matrix Spike Dup 0.12338, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0159-MSD1 Matrix Spike Dup 0.123...	1.01e4	69.4	NO
2	2 13C5-PFHxA	B8J0159-MSD1 Matrix Spike Dup 0.123...	1.56e4	72.5	NO
3	3 13C3-PFHxS	B8J0159-MSD1 Matrix Spike Dup 0.123...	2.99e3	82.8	NO
4	4 13C8-PFOA	B8J0159-MSD1 Matrix Spike Dup 0.123...	1.85e4	67.5	NO
5	5 13C9-PFNA	B8J0159-MSD1 Matrix Spike Dup 0.123...	1.36e4	68.9	NO
6	6 13C4-PFOS	B8J0159-MSD1 Matrix Spike Dup 0.123...	3.33e3	92.7	NO
7	7 13C6-PFDA	B8J0159-MSD1 Matrix Spike Dup 0.123...	1.56e4	77.4	NO
8	8 13C7-PFUDa	B8J0159-MSD1 Matrix Spike Dup 0.123...	2.33e4	86.2	NO

Name: 181024M2_30, Date: 24-Oct-2018, Time: 16:17:04, ID: B8J0159-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0159-BLK1 Method Blank 0.125	1.08e4	74.3	NO
2	2 13C5-PFHxA	B8J0159-BLK1 Method Blank 0.125	1.64e4	76.3	NO
3	3 13C3-PFHxS	B8J0159-BLK1 Method Blank 0.125	3.25e3	89.8	NO
4	4 13C8-PFOA	B8J0159-BLK1 Method Blank 0.125	1.81e4	66.1	NO
5	5 13C9-PFNA	B8J0159-BLK1 Method Blank 0.125	1.29e4	65.5	NO
6	6 13C4-PFOS	B8J0159-BLK1 Method Blank 0.125	3.51e3	97.6	NO
7	7 13C6-PFDA	B8J0159-BLK1 Method Blank 0.125	1.51e4	74.9	NO
8	8 13C7-PFUDa	B8J0159-BLK1 Method Blank 0.125	2.27e4	84.1	NO

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Name: 181024M2_31, Date: 24-Oct-2018, Time: 16:27:37, ID: 1803345-01 REEPEF455 0.12539, Description: REEPEF455

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-01 REEPEF455 0.12539	1.08e4	74.0	NO
2	2 13C5-PFHxA	1803345-01 REEPEF455 0.12539	1.57e4	73.1	NO
3	3 13C3-PFHxS	1803345-01 REEPEF455 0.12539	3.35e3	92.8	NO
4	4 13C8-PFOA	1803345-01 REEPEF455 0.12539	1.76e4	64.1	NO
5	5 13C9-PFNA	1803345-01 REEPEF455 0.12539	1.20e4	60.6	NO
6	6 13C4-PFOS	1803345-01 REEPEF455 0.12539	3.66e3	101.7	NO
7	7 13C6-PFDA	1803345-01 REEPEF455 0.12539	1.47e4	73.1	NO
8	8 13C7-PFUDa	1803345-01 REEPEF455 0.12539	2.04e4	75.4	NO

Name: 181024M2_32, Date: 24-Oct-2018, Time: 16:38:16, ID: 1803345-02 REEPAR455 0.12372, Description: REEPAR455

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-02 REEPAR455 0.12372	1.03e4	70.2	NO
2	2 13C5-PFHxA	1803345-02 REEPAR455 0.12372	1.57e4	72.9	NO
3	3 13C3-PFHxS	1803345-02 REEPAR455 0.12372	3.21e3	88.9	NO
4	4 13C8-PFOA	1803345-02 REEPAR455 0.12372	1.87e4	68.3	NO
5	5 13C9-PFNA	1803345-02 REEPAR455 0.12372	1.32e4	66.7	NO
6	6 13C4-PFOS	1803345-02 REEPAR455 0.12372	3.35e3	93.2	NO
7	7 13C6-PFDA	1803345-02 REEPAR455 0.12372	1.59e4	78.8	NO
8	8 13C7-PFUDa	1803345-02 REEPAR455 0.12372	2.35e4	86.8	NO

Name: 181024M2_33, Date: 24-Oct-2018, Time: 16:48:49, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

Name: 181024M2_34, Date: 24-Oct-2018, Time: 16:59:28, ID: ST181024M2-11 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-11 PFC CS3 18J1707	1.47e4	101.0	NO
2	2 13C5-PFHxA	ST181024M2-11 PFC CS3 18J1707	2.14e4	99.5	NO
3	3 13C3-PFHxS	ST181024M2-11 PFC CS3 18J1707	3.45e3	95.5	NO
4	4 13C8-PFOA	ST181024M2-11 PFC CS3 18J1707	2.44e4	88.9	NO
5	5 13C9-PFNA	ST181024M2-11 PFC CS3 18J1707	1.70e4	86.3	NO
6	6 13C4-PFOS	ST181024M2-11 PFC CS3 18J1707	3.63e3	100.9	NO
7	7 13C6-PFDA	ST181024M2-11 PFC CS3 18J1707	1.97e4	97.9	NO
8	8 13C7-PFUDa	ST181024M2-11 PFC CS3 18J1707	2.79e4	103.1	NO

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Name: 181024M2_35, Date: 24-Oct-2018, Time: 17:10:01, ID: 1803345-03 REEPAC455 0.12345, Description: REEPAC455

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-03 REEPAC455 0.12345	9.50e3	65.1	NO
2	2 13C5-PFHxA	1803345-03 REEPAC455 0.12345	1.38e4	64.2	NO
3	3 13C3-PFHxS	1803345-03 REEPAC455 0.12345	3.10e3	85.7	NO
4	4 13C8-PFOA	1803345-03 REEPAC455 0.12345	1.68e4	61.3	NO
5	5 13C9-PFNA	1803345-03 REEPAC455 0.12345	1.14e4	57.8	NO
6	6 13C4-PFOS	1803345-03 REEPAC455 0.12345	3.26e3	90.5	NO
7	7 13C6-PFDA	1803345-03 REEPAC455 0.12345	1.39e4	68.8	NO
8	8 13C7-PFUDa	1803345-03 REEPAC455 0.12345	2.20e4	81.5	NO

Name: 181024M2_36, Date: 24-Oct-2018, Time: 17:20:39, ID: 1803345-04 REEPEF457 0.1243, Description: REEPEF457

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-04 REEPEF457 0.1243	9.84e3	67.4	NO
2	2 13C5-PFHxA	1803345-04 REEPEF457 0.1243	1.51e4	70.3	NO
3	3 13C3-PFHxS	1803345-04 REEPEF457 0.1243	2.87e3	79.5	NO
4	4 13C8-PFOA	1803345-04 REEPEF457 0.1243	1.61e4	58.8	NO
5	5 13C9-PFNA	1803345-04 REEPEF457 0.1243	1.11e4	56.4	NO
6	6 13C4-PFOS	1803345-04 REEPEF457 0.1243	3.14e3	87.4	NO
7	7 13C6-PFDA	1803345-04 REEPEF457 0.1243	1.33e4	65.8	NO
8	8 13C7-PFUDa	1803345-04 REEPEF457 0.1243	2.06e4	76.3	NO

Name: 181024M2_37, Date: 24-Oct-2018, Time: 17:31:12, ID: 1803345-05 REEPAR457 0.1223, Description: REEPAR457

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-05 REEPAR457 0.1223	9.75e3	66.8	NO
2	2 13C5-PFHxA	1803345-05 REEPAR457 0.1223	1.39e4	64.9	NO
3	3 13C3-PFHxS	1803345-05 REEPAR457 0.1223	3.12e3	86.4	NO
4	4 13C8-PFOA	1803345-05 REEPAR457 0.1223	1.38e4	50.3	NO
5	5 13C9-PFNA	1803345-05 REEPAR457 0.1223	1.02e4	51.6	NO
6	6 13C4-PFOS	1803345-05 REEPAR457 0.1223	3.32e3	92.3	NO
7	7 13C6-PFDA	1803345-05 REEPAR457 0.1223	1.26e4	62.3	NO
8	8 13C7-PFUDa	1803345-05 REEPAR457 0.1223	1.97e4	72.7	NO

Name: 181024M2_38, Date: 24-Oct-2018, Time: 17:41:50, ID: 1803345-06 REEPAC457 0.12272, Description: REEPAC457

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-06 REEPAC457 0.12272	1.14e4	78.2	NO
2	2 13C5-PFHxA	1803345-06 REEPAC457 0.12272	1.66e4	77.5	NO
3	3 13C3-PFHxS	1803345-06 REEPAC457 0.12272	3.22e3	89.1	NO
4	4 13C8-PFOA	1803345-06 REEPAC457 0.12272	1.83e4	66.6	NO
5	5 13C9-PFNA	1803345-06 REEPAC457 0.12272	1.25e4	63.3	NO
6	6 13C4-PFOS	1803345-06 REEPAC457 0.12272	3.43e3	95.5	NO
7	7 13C6-PFDA	1803345-06 REEPAC457 0.12272	1.45e4	72.1	NO
8	8 13C7-PFUDa	1803345-06 REEPAC457 0.12272	2.11e4	77.9	NO

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Name: 181024M2_39, Date: 24-Oct-2018, Time: 17:52:24, ID: 1803345-07 REEPEF459 0.12166, Description: REEPEF459

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-07 REEPEF459 0.12166	1.17e4	80.1	NO
2	2 13C5-PFHxA	1803345-07 REEPEF459 0.12166	1.76e4	81.8	NO
3	3 13C3-PFHxS	1803345-07 REEPEF459 0.12166	3.11e3	85.9	NO
4	4 13C8-PFOA	1803345-07 REEPEF459 0.12166	2.00e4	73.0	NO
5	5 13C9-PFNA	1803345-07 REEPEF459 0.12166	1.29e4	65.2	NO
6	6 13C4-PFOS	1803345-07 REEPEF459 0.12166	3.37e3	93.7	NO
7	7 13C6-PFDA	1803345-07 REEPEF459 0.12166	1.59e4	78.6	NO
8	8 13C7-PFUDa	1803345-07 REEPEF459 0.12166	2.33e4	86.3	NO

Name: 181024M2_40, Date: 24-Oct-2018, Time: 18:03:02, ID: 1803345-08 REEPAR459 0.12421, Description: REEPAR459

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-08 REEPAR459 0.12421	1.16e4	79.4	NO
2	2 13C5-PFHxA	1803345-08 REEPAR459 0.12421	1.71e4	79.7	NO
3	3 13C3-PFHxS	1803345-08 REEPAR459 0.12421	3.35e3	92.6	NO
4	4 13C8-PFOA	1803345-08 REEPAR459 0.12421	1.85e4	67.4	NO
5	5 13C9-PFNA	1803345-08 REEPAR459 0.12421	1.22e4	61.6	NO
6	6 13C4-PFOS	1803345-08 REEPAR459 0.12421	3.74e3	104.0	NO
7	7 13C6-PFDA	1803345-08 REEPAR459 0.12421	1.39e4	68.7	NO
8	8 13C7-PFUDa	1803345-08 REEPAR459 0.12421	2.20e4	81.4	NO

Name: 181024M2_41, Date: 24-Oct-2018, Time: 18:13:35, ID: 1803345-09 REEPAC459 0.12071, Description: REEPAC459

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-09 REEPAC459 0.12071	1.03e4	70.5	NO
2	2 13C5-PFHxA	1803345-09 REEPAC459 0.12071	1.52e4	70.8	NO
3	3 13C3-PFHxS	1803345-09 REEPAC459 0.12071	2.87e3	79.3	NO
4	4 13C8-PFOA	1803345-09 REEPAC459 0.12071	1.74e4	63.6	NO
5	5 13C9-PFNA	1803345-09 REEPAC459 0.12071	1.18e4	60.0	NO
6	6 13C4-PFOS	1803345-09 REEPAC459 0.12071	3.16e3	88.0	NO
7	7 13C6-PFDA	1803345-09 REEPAC459 0.12071	1.40e4	69.6	NO
8	8 13C7-PFUDa	1803345-09 REEPAC459 0.12071	2.10e4	77.7	NO

Name: 181024M2_42, Date: 24-Oct-2018, Time: 18:24:13, ID: 1803345-10 REEPEF456 0.11124, Description: REEPEF456

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-10 REEPEF456 0.11124	1.05e4	72.0	NO
2	2 13C5-PFHxA	1803345-10 REEPEF456 0.11124	1.55e4	72.1	NO
3	3 13C3-PFHxS	1803345-10 REEPEF456 0.11124	3.08e3	85.2	NO
4	4 13C8-PFOA	1803345-10 REEPEF456 0.11124	1.79e4	65.3	NO
5	5 13C9-PFNA	1803345-10 REEPEF456 0.11124	1.18e4	59.5	NO
6	6 13C4-PFOS	1803345-10 REEPEF456 0.11124	3.34e3	93.0	NO
7	7 13C6-PFDA	1803345-10 REEPEF456 0.11124	1.38e4	68.6	NO
8	8 13C7-PFUDa	1803345-10 REEPEF456 0.11124	2.12e4	78.4	NO

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Name: 181024M2_43, Date: 24-Oct-2018, Time: 18:34:46, ID: 1803345-11 REEPAR456 0.11379, Description: REEPAR456

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-11 REEPAR456 0.11379	1.06e4	72.9	NO
2	2 13C5-PFHxA	1803345-11 REEPAR456 0.11379	1.60e4	74.3	NO
3	3 13C3-PFHxS	1803345-11 REEPAR456 0.11379	3.02e3	83.6	NO
4	4 13C8-PFOA	1803345-11 REEPAR456 0.11379	1.76e4	64.3	NO
5	5 13C9-PFNA	1803345-11 REEPAR456 0.11379	1.23e4	62.1	NO
6	6 13C4-PFOS	1803345-11 REEPAR456 0.11379	3.26e3	90.8	NO
7	7 13C6-PFDA	1803345-11 REEPAR456 0.11379	1.42e4	70.5	NO
8	8 13C7-PFUDa	1803345-11 REEPAR456 0.11379	2.17e4	80.2	NO

Name: 181024M2_44, Date: 24-Oct-2018, Time: 18:45:24, ID: 1803345-12 REEPAC456 0.12467, Description: REEPAC456

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-12 REEPAC456 0.12467	1.14e4	78.1	NO
2	2 13C5-PFHxA	1803345-12 REEPAC456 0.12467	1.67e4	77.6	NO
3	3 13C3-PFHxS	1803345-12 REEPAC456 0.12467	2.99e3	82.8	NO
4	4 13C8-PFOA	1803345-12 REEPAC456 0.12467	1.80e4	65.7	NO
5	5 13C9-PFNA	1803345-12 REEPAC456 0.12467	1.27e4	64.2	NO
6	6 13C4-PFOS	1803345-12 REEPAC456 0.12467	3.37e3	93.7	NO
7	7 13C6-PFDA	1803345-12 REEPAC456 0.12467	1.48e4	73.6	NO
8	8 13C7-PFUDa	1803345-12 REEPAC456 0.12467	2.14e4	79.2	NO

Name: 181024M2_45, Date: 24-Oct-2018, Time: 18:55:57, ID: 1803345-13 REEPAC681 0.11772, Description: REEPAC681

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-13 REEPAC681 0.11772	1.11e4	75.9	NO
2	2 13C5-PFHxA	1803345-13 REEPAC681 0.11772	1.64e4	76.4	NO
3	3 13C3-PFHxS	1803345-13 REEPAC681 0.11772	3.16e3	87.3	NO
4	4 13C8-PFOA	1803345-13 REEPAC681 0.11772	1.81e4	66.0	NO
5	5 13C9-PFNA	1803345-13 REEPAC681 0.11772	1.18e4	59.6	NO
6	6 13C4-PFOS	1803345-13 REEPAC681 0.11772	3.20e3	89.1	NO
7	7 13C6-PFDA	1803345-13 REEPAC681 0.11772	1.39e4	68.7	NO
8	8 13C7-PFUDa	1803345-13 REEPAC681 0.11772	2.14e4	79.1	NO

Name: 181024M2_46, Date: 24-Oct-2018, Time: 19:06:36, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUDa	IPA			NO

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Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-12 PFC CS3 18J1707	1.49e4	101.8	NO
2	2 13C5-PFHxA	ST181024M2-12 PFC CS3 18J1707	2.13e4	99.3	NO
3	3 13C3-PFHxS	ST181024M2-12 PFC CS3 18J1707	3.66e3	101.2	NO
4	4 13C8-PFOA	ST181024M2-12 PFC CS3 18J1707	2.41e4	88.0	NO
5	5 13C9-PFNA	ST181024M2-12 PFC CS3 18J1707	1.65e4	83.3	NO
6	6 13C4-PFOS	ST181024M2-12 PFC CS3 18J1707	3.54e3	98.6	NO
7	7 13C6-PFDA	ST181024M2-12 PFC CS3 18J1707	1.81e4	89.7	NO
8	8 13C7-PFUDa	ST181024M2-12 PFC CS3 18J1707	2.84e4	104.9	NO

Name: 181024M2_48, Date: 24-Oct-2018, Time: 19:27:47, ID: 1803345-13 REEPAC681 0.11772, Description: REEPAC681

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-13 REEPAC681 0.11772	1.10e4	75.6	NO
2	2 13C5-PFHxA	1803345-13 REEPAC681 0.11772	1.65e4	77.0	NO
3	3 13C3-PFHxS	1803345-13 REEPAC681 0.11772	3.05e3	84.4	NO
4	4 13C8-PFOA	1803345-13 REEPAC681 0.11772	1.72e4	62.7	NO
5	5 13C9-PFNA	1803345-13 REEPAC681 0.11772	1.14e4	57.7	NO
6	6 13C4-PFOS	1803345-13 REEPAC681 0.11772	3.36e3	93.4	NO
7	7 13C6-PFDA	1803345-13 REEPAC681 0.11772	1.36e4	67.6	NO
8	8 13C7-PFUDa	1803345-13 REEPAC681 0.11772	2.16e4	80.1	NO

Name: 181024M2_49, Date: 24-Oct-2018, Time: 19:38:20, ID: 1803345-14 REEPEF458 0.12066, Description: REEPEF458

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-14 REEPEF458 0.12066	1.00e4	68.7	NO
2	2 13C5-PFHxA	1803345-14 REEPEF458 0.12066	1.33e4	62.0	NO
3	3 13C3-PFHxS	1803345-14 REEPEF458 0.12066	3.36e3	93.1	NO
4	4 13C8-PFOA	1803345-14 REEPEF458 0.12066	1.30e4	47.3	YES
5	5 13C9-PFNA	1803345-14 REEPEF458 0.12066	8.53e3	43.2	YES
6	6 13C4-PFOS	1803345-14 REEPEF458 0.12066	3.62e3	100.6	NO
7	7 13C6-PFDA	1803345-14 REEPEF458 0.12066	9.06e3	45.0	YES
8	8 13C7-PFUDa	1803345-14 REEPEF458 0.12066	1.59e4	59.0	NO

Name: 181024M2_50, Date: 24-Oct-2018, Time: 19:48:58, ID: 1803345-15 REEPAR458 0.11926, Description: REEPAR458

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-15 REEPAR458 0.11926	1.17e4	80.5	NO
2	2 13C5-PFHxA	1803345-15 REEPAR458 0.11926	1.71e4	79.8	NO
3	3 13C3-PFHxS	1803345-15 REEPAR458 0.11926	3.33e3	92.2	NO
4	4 13C8-PFOA	1803345-15 REEPAR458 0.11926	1.88e4	68.4	NO
5	5 13C9-PFNA	1803345-15 REEPAR458 0.11926	1.24e4	62.7	NO
6	6 13C4-PFOS	1803345-15 REEPAR458 0.11926	3.56e3	99.1	NO
7	7 13C6-PFDA	1803345-15 REEPAR458 0.11926	1.33e4	66.1	NO
8	8 13C7-PFUDa	1803345-15 REEPAR458 0.11926	2.14e4	79.3	NO

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Name: 181024M2_51, Date: 24-Oct-2018, Time: 19:59:31, ID: 1803345-16 REEPAC458 0.12002, Description: REEPAC458

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-16 REEPAC458 0.12002	1.10e4	75.2	NO
2	2 13C5-PFHxA	1803345-16 REEPAC458 0.12002	1.60e4	74.7	NO
3	3 13C3-PFHxS	1803345-16 REEPAC458 0.12002	3.09e3	85.5	NO
4	4 13C8-PFOA	1803345-16 REEPAC458 0.12002	1.67e4	60.9	NO
5	5 13C9-PFNA	1803345-16 REEPAC458 0.12002	1.13e4	57.0	NO
6	6 13C4-PFOS	1803345-16 REEPAC458 0.12002	3.32e3	92.4	NO
7	7 13C6-PFDA	1803345-16 REEPAC458 0.12002	1.31e4	65.1	NO
8	8 13C7-PFUDa	1803345-16 REEPAC458 0.12002	2.05e4	75.8	NO

Name: 181024M2_52, Date: 24-Oct-2018, Time: 20:10:09, ID: 1803345-17 REEPEF682 0.11756, Description: REEPEF682

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-17 REEPEF682 0.11756	1.18e4	80.6	NO
2	2 13C5-PFHxA	1803345-17 REEPEF682 0.11756	1.75e4	81.5	NO
3	3 13C3-PFHxS	1803345-17 REEPEF682 0.11756	3.14e3	87.0	NO
4	4 13C8-PFOA	1803345-17 REEPEF682 0.11756	1.86e4	67.7	NO
5	5 13C9-PFNA	1803345-17 REEPEF682 0.11756	1.26e4	63.7	NO
6	6 13C4-PFOS	1803345-17 REEPEF682 0.11756	3.47e3	96.5	NO
7	7 13C6-PFDA	1803345-17 REEPEF682 0.11756	1.45e4	72.0	NO
8	8 13C7-PFUDa	1803345-17 REEPEF682 0.11756	2.33e4	86.1	NO

Name: 181024M2_53, Date: 24-Oct-2018, Time: 20:20:43, ID: B8J0158-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0158-BS1 OPR 0.125	1.04e4	71.4	NO
2	2 13C5-PFHxA	B8J0158-BS1 OPR 0.125	1.96e4	91.3	NO
3	3 13C3-PFHxS	B8J0158-BS1 OPR 0.125	4.02e3	111.2	NO
4	4 13C8-PFOA	B8J0158-BS1 OPR 0.125	2.44e4	89.0	NO
5	5 13C9-PFNA	B8J0158-BS1 OPR 0.125	1.81e4	91.7	NO
6	6 13C4-PFOS	B8J0158-BS1 OPR 0.125	4.31e3	119.9	NO
7	7 13C6-PFDA	B8J0158-BS1 OPR 0.125	2.02e4	100.1	NO
8	8 13C7-PFUDa	B8J0158-BS1 OPR 0.125	3.30e4	122.0	NO

Name: 181024M2_54, Date: 24-Oct-2018, Time: 20:31:21, ID: B8J0158-BSD1 LCSD 0.125, Description: LCSD

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0158-BSD1 LCSD 0.125	1.27e4	87.0	NO
2	2 13C5-PFHxA	B8J0158-BSD1 LCSD 0.125	2.14e4	99.9	NO
3	3 13C3-PFHxS	B8J0158-BSD1 LCSD 0.125	3.80e3	105.0	NO
4	4 13C8-PFOA	B8J0158-BSD1 LCSD 0.125	2.54e4	92.6	NO
5	5 13C9-PFNA	B8J0158-BSD1 LCSD 0.125	1.73e4	87.5	NO
6	6 13C4-PFOS	B8J0158-BSD1 LCSD 0.125	4.17e3	116.1	NO
7	7 13C6-PFDA	B8J0158-BSD1 LCSD 0.125	2.04e4	101.1	NO
8	8 13C7-PFUDa	B8J0158-BSD1 LCSD 0.125	3.07e4	113.6	NO

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Name: 181024M2_55, Date: 24-Oct-2018, Time: 20:41:55, ID: B8J0158-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0158-BLK1 Method Blank 0.125	8.99e3	61.6	NO
2	2 13C5-PFHxA	B8J0158-BLK1 Method Blank 0.125	1.58e4	73.8	NO
3	3 13C3-PFHxS	B8J0158-BLK1 Method Blank 0.125	3.05e3	84.3	NO
4	4 13C8-PFOA	B8J0158-BLK1 Method Blank 0.125	1.87e4	68.2	NO
5	5 13C9-PFNA	B8J0158-BLK1 Method Blank 0.125	1.33e4	67.4	NO
6	6 13C4-PFOS	B8J0158-BLK1 Method Blank 0.125	3.34e3	92.8	NO
7	7 13C6-PFDA	B8J0158-BLK1 Method Blank 0.125	1.56e4	77.2	NO
8	8 13C7-PFUdA	B8J0158-BLK1 Method Blank 0.125	2.37e4	87.7	NO

Name: 181024M2_56, Date: 24-Oct-2018, Time: 20:52:32, ID: 1803342-01 OF-INF01-101618 0.1232, Description: OF-INF01-101618

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803342-01 OF-INF01-101618 0.1232	1.36e4	93.3	NO
2	2 13C5-PFHxA	1803342-01 OF-INF01-101618 0.1232	2.07e4	96.3	NO
3	3 13C3-PFHxS	1803342-01 OF-INF01-101618 0.1232	3.62e3	100.0	NO
4	4 13C8-PFOA	1803342-01 OF-INF01-101618 0.1232	2.30e4	83.9	NO
5	5 13C9-PFNA	1803342-01 OF-INF01-101618 0.1232	1.61e4	81.4	NO
6	6 13C4-PFOS	1803342-01 OF-INF01-101618 0.1232	3.54e3	98.6	NO
7	7 13C6-PFDA	1803342-01 OF-INF01-101618 0.1232	1.83e4	90.7	NO
8	8 13C7-PFUdA	1803342-01 OF-INF01-101618 0.1232	2.83e4	104.6	NO

Name: 181024M2_57, Date: 24-Oct-2018, Time: 21:03:05, ID: 1803342-02 OF-SAC01-101618 0.11484, Description: OF-SAC01-101618

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803342-02 OF-SAC01-101618 0.11484	1.18e4	80.8	NO
2	2 13C5-PFHxA	1803342-02 OF-SAC01-101618 0.11484	1.94e4	90.2	NO
3	3 13C3-PFHxS	1803342-02 OF-SAC01-101618 0.11484	3.97e3	109.8	NO
4	4 13C8-PFOA	1803342-02 OF-SAC01-101618 0.11484	2.32e4	84.6	NO
5	5 13C9-PFNA	1803342-02 OF-SAC01-101618 0.11484	1.58e4	79.8	NO
6	6 13C4-PFOS	1803342-02 OF-SAC01-101618 0.11484	3.86e3	107.3	NO
7	7 13C6-PFDA	1803342-02 OF-SAC01-101618 0.11484	1.76e4	87.3	NO
8	8 13C7-PFUdA	1803342-02 OF-SAC01-101618 0.11484	2.79e4	103.1	NO

Name: 181024M2_58, Date: 24-Oct-2018, Time: 21:13:44, ID: 1803342-03 OF-MID01-101618 0.1104, Description: OF-MID01-101618

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803342-03 OF-MID01-101618 0.1104	1.10e4	75.1	NO
2	2 13C5-PFHxA	1803342-03 OF-MID01-101618 0.1104	1.87e4	87.1	NO
3	3 13C3-PFHxS	1803342-03 OF-MID01-101618 0.1104	3.84e3	106.3	NO
4	4 13C8-PFOA	1803342-03 OF-MID01-101618 0.1104	2.30e4	83.9	NO
5	5 13C9-PFNA	1803342-03 OF-MID01-101618 0.1104	1.57e4	79.6	NO
6	6 13C4-PFOS	1803342-03 OF-MID01-101618 0.1104	4.11e3	114.2	NO
7	7 13C6-PFDA	1803342-03 OF-MID01-101618 0.1104	1.82e4	90.4	NO
8	8 13C7-PFUdA	1803342-03 OF-MID01-101618 0.1104	2.83e4	104.7	NO

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Name: 181024M2_59, Date: 24-Oct-2018, Time: 21:24:17, ID: 1803342-04 OF-EFF01-101618 0.11812, Description: OF-EFF01-101618

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803342-04 OF-EFF01-101618 0.11812	1.31e4	89.9	NO
2	2 13C5-PFHxA	1803342-04 OF-EFF01-101618 0.11812	2.18e4	101.4	NO
3	3 13C3-PFHxS	1803342-04 OF-EFF01-101618 0.11812	4.21e3	116.4	NO
4	4 13C8-PFOA	1803342-04 OF-EFF01-101618 0.11812	2.61e4	95.1	NO
5	5 13C9-PFNA	1803342-04 OF-EFF01-101618 0.11812	1.81e4	91.8	NO
6	6 13C4-PFOS	1803342-04 OF-EFF01-101618 0.11812	4.48e3	124.6	NO
7	7 13C6-PFDA	1803342-04 OF-EFF01-101618 0.11812	2.01e4	99.8	NO
8	8 13C7-PFUdA	1803342-04 OF-EFF01-101618 0.11812	3.12e4	115.3	NO

Name: 181024M2_60, Date: 24-Oct-2018, Time: 21:34:55, ID: 1803342-05 OF-FBSAC01-101618 0.12094, Description: OF-FBSAC01-101618

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803342-05 OF-FBSAC01-101618 0.12...	9.43e3	64.6	NO
2	2 13C5-PFHxA	1803342-05 OF-FBSAC01-101618 0.12...	1.67e4	77.9	NO
3	3 13C3-PFHxS	1803342-05 OF-FBSAC01-101618 0.12...	3.63e3	100.5	NO
4	4 13C8-PFOA	1803342-05 OF-FBSAC01-101618 0.12...	2.19e4	79.8	NO
5	5 13C9-PFNA	1803342-05 OF-FBSAC01-101618 0.12...	1.59e4	80.5	NO
6	6 13C4-PFOS	1803342-05 OF-FBSAC01-101618 0.12...	3.79e3	105.5	NO
7	7 13C6-PFDA	1803342-05 OF-FBSAC01-101618 0.12...	1.78e4	88.2	NO
8	8 13C7-PFUdA	1803342-05 OF-FBSAC01-101618 0.12...	2.86e4	105.9	NO

Name: 181024M2_61, Date: 24-Oct-2018, Time: 21:45:28, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-13 PFC CS3 18J1707	1.52e4	103.9	NO
2	2 13C5-PFHxA	ST181024M2-13 PFC CS3 18J1707	2.18e4	101.4	NO
3	3 13C3-PFHxS	ST181024M2-13 PFC CS3 18J1707	3.55e3	98.1	NO
4	4 13C8-PFOA	ST181024M2-13 PFC CS3 18J1707	2.40e4	87.4	NO
5	5 13C9-PFNA	ST181024M2-13 PFC CS3 18J1707	1.73e4	87.5	NO
6	6 13C4-PFOS	ST181024M2-13 PFC CS3 18J1707	3.95e3	109.9	NO
7	7 13C6-PFDA	ST181024M2-13 PFC CS3 18J1707	1.80e4	89.2	NO
8	8 13C7-PFUdA	ST181024M2-13 PFC CS3 18J1707	2.76e4	102.0	NO

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Name: 181024M2_63, Date: 24-Oct-2018, Time: 22:06:40, ID: ST181024M2-14 PFC CS0 18J1704, Description: PFC CS0 18J1704

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181024M2-14 PFC CS0 18J1704	1.60e4	109.6	NO
2	2 13C5-PFHxA	ST181024M2-14 PFC CS0 18J1704	2.33e4	108.7	NO
3	3 13C3-PFHxS	ST181024M2-14 PFC CS0 18J1704	3.72e3	102.9	NO
4	4 13C8-PFOA	ST181024M2-14 PFC CS0 18J1704	2.59e4	94.4	NO
5	5 13C9-PFNA	ST181024M2-14 PFC CS0 18J1704	1.77e4	89.5	NO
6	6 13C4-PFOS	ST181024M2-14 PFC CS0 18J1704	4.00e3	111.4	NO
7	7 13C6-PFDA	ST181024M2-14 PFC CS0 18J1704	1.94e4	96.1	NO
8	8 13C7-PFUDa	ST181024M2-14 PFC CS0 18J1704	2.93e4	108.4	NO

Name: 181024M2_64, Date: 24-Oct-2018, Time: 22:17:18, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803339-02 OC-FB13-1018 0.12463	9.70e3	66.5	NO
2	2 13C5-PFHxA	1803339-02 OC-FB13-1018 0.12463	1.76e4	82.0	NO
3	3 13C3-PFHxS	1803339-02 OC-FB13-1018 0.12463	3.51e3	97.2	NO
4	4 13C8-PFOA	1803339-02 OC-FB13-1018 0.12463	2.13e4	77.8	NO
5	5 13C9-PFNA	1803339-02 OC-FB13-1018 0.12463	1.54e4	78.0	NO
6	6 13C4-PFOS	1803339-02 OC-FB13-1018 0.12463	3.63e3	100.9	NO
7	7 13C6-PFDA	1803339-02 OC-FB13-1018 0.12463	1.62e4	80.5	NO
8	8 13C7-PFUDa	1803339-02 OC-FB13-1018 0.12463	2.57e4	95.0	NO

Name: 181024M2_65, Date: 24-Oct-2018, Time: 22:27:50, ID: B8J0165-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BLK1 Method Blank 0.125	9.45e3	64.7	NO
2	2 13C5-PFHxA	B8J0165-BLK1 Method Blank 0.125	1.41e4	65.7	NO
3	3 13C3-PFHxS	B8J0165-BLK1 Method Blank 0.125	2.31e3	63.9	NO
4	4 13C8-PFOA	B8J0165-BLK1 Method Blank 0.125	1.53e4	55.9	NO
5	5 13C9-PFNA	B8J0165-BLK1 Method Blank 0.125	1.06e4	53.5	NO
6	6 13C4-PFOS	B8J0165-BLK1 Method Blank 0.125	2.42e3	67.2	NO
7	7 13C6-PFDA	B8J0165-BLK1 Method Blank 0.125	1.12e4	55.7	NO
8	8 13C7-PFUDa	B8J0165-BLK1 Method Blank 0.125	1.78e4	65.8	NO

Name: 181024M2_66, Date: 24-Oct-2018, Time: 22:38:29, ID: B8J0165-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BS1 OPR 0.125	1.02e4	69.9	NO
2	2 13C5-PFHxA	B8J0165-BS1 OPR 0.125	1.51e4	70.1	NO
3	3 13C3-PFHxS	B8J0165-BS1 OPR 0.125	2.69e3	74.5	NO
4	4 13C8-PFOA	B8J0165-BS1 OPR 0.125	1.73e4	63.2	NO
5	5 13C9-PFNA	B8J0165-BS1 OPR 0.125	1.10e4	55.9	NO
6	6 13C4-PFOS	B8J0165-BS1 OPR 0.125	2.84e3	79.0	NO
7	7 13C6-PFDA	B8J0165-BS1 OPR 0.125	1.27e4	62.9	NO
8	8 13C7-PFUDa	B8J0165-BS1 OPR 0.125	1.96e4	72.5	NO

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Name: 181024M2_67, Date: 24-Oct-2018, Time: 22:48:59, ID: B8J0165-BSD1 LCSD 0.125, Description: LCSD

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BSD1 LCSD 0.125	1.21e4	82.9	NO
2	2 13C5-PFHxA	B8J0165-BSD1 LCSD 0.125	1.77e4	82.4	NO
3	3 13C3-PFHxS	B8J0165-BSD1 LCSD 0.125	3.10e3	85.7	NO
4	4 13C8-PFOA	B8J0165-BSD1 LCSD 0.125	1.96e4	71.4	NO
5	5 13C9-PFNA	B8J0165-BSD1 LCSD 0.125	1.38e4	70.0	NO
6	6 13C4-PFOS	B8J0165-BSD1 LCSD 0.125	3.28e3	91.3	NO
7	7 13C6-PFDA	B8J0165-BSD1 LCSD 0.125	1.48e4	73.2	NO
8	8 13C7-PFUDa	B8J0165-BSD1 LCSD 0.125	2.34e4	86.4	NO

Name: 181024M2_68, Date: 24-Oct-2018, Time: 22:59:37, ID: 1803360-01 REEPEF467 0.11952, Description: REEPEF467

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803360-01 REEPEF467 0.11952	1.29e4	88.3	NO
2	2 13C5-PFHxA	1803360-01 REEPEF467 0.11952	1.92e4	89.3	NO
3	3 13C3-PFHxS	1803360-01 REEPEF467 0.11952	3.13e3	86.6	NO
4	4 13C8-PFOA	1803360-01 REEPEF467 0.11952	2.14e4	78.1	NO
5	5 13C9-PFNA	1803360-01 REEPEF467 0.11952	1.50e4	76.1	NO
6	6 13C4-PFOS	1803360-01 REEPEF467 0.11952	3.29e3	91.4	NO
7	7 13C6-PFDA	1803360-01 REEPEF467 0.11952	1.61e4	79.8	NO
8	8 13C7-PFUDa	1803360-01 REEPEF467 0.11952	2.46e4	91.0	NO

Name: 181024M2_69, Date: 24-Oct-2018, Time: 23:10:10, ID: 1803360-02 REEPAR467 0.12632, Description: REEPAR467

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803360-02 REEPAR467 0.12632	1.01e4	69.5	NO
2	2 13C5-PFHxA	1803360-02 REEPAR467 0.12632	1.44e4	67.1	NO
3	3 13C3-PFHxS	1803360-02 REEPAR467 0.12632	2.78e3	76.9	NO
4	4 13C8-PFOA	1803360-02 REEPAR467 0.12632	1.58e4	57.6	NO
5	5 13C9-PFNA	1803360-02 REEPAR467 0.12632	1.11e4	56.3	NO
6	6 13C4-PFOS	1803360-02 REEPAR467 0.12632	3.00e3	83.6	NO
7	7 13C6-PFDA	1803360-02 REEPAR467 0.12632	1.12e4	55.8	NO
8	8 13C7-PFUDa	1803360-02 REEPAR467 0.12632	1.77e4	65.5	NO

Dataset: Untitled

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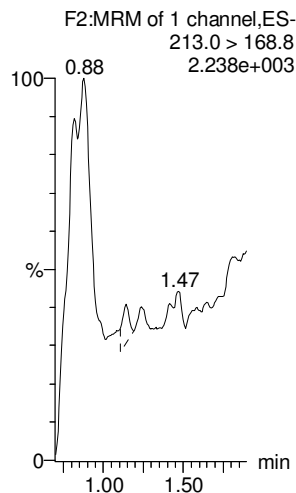
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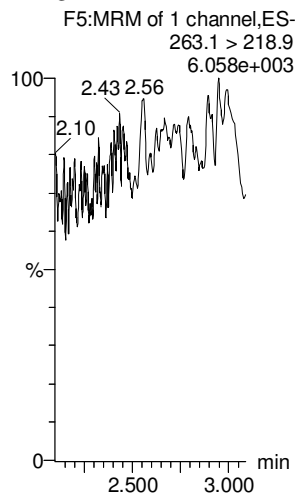
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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

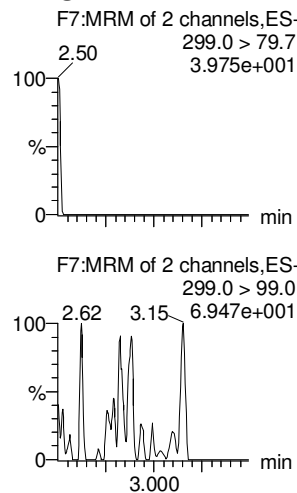
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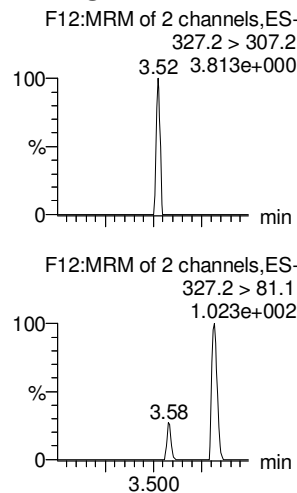
PFPeA



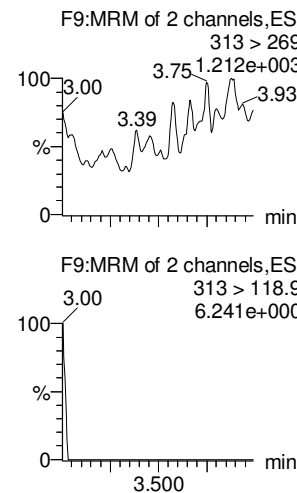
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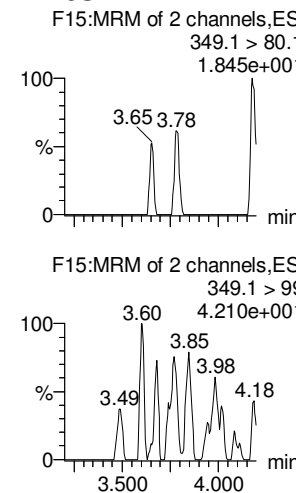
4:2 FTS



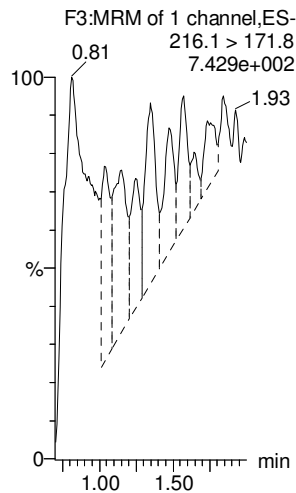
PFHxA



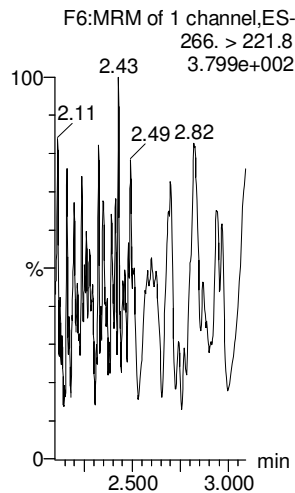
PFPeS



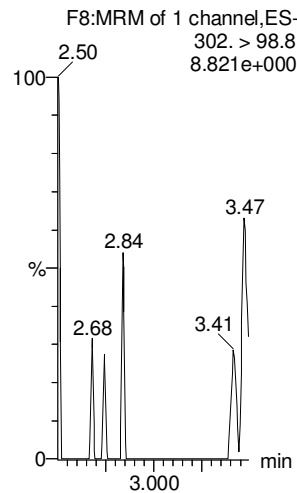
13C3-PFBA



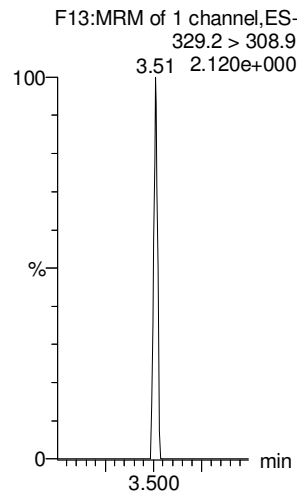
13C3-PFPeA



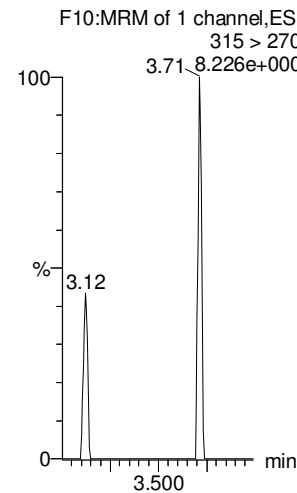
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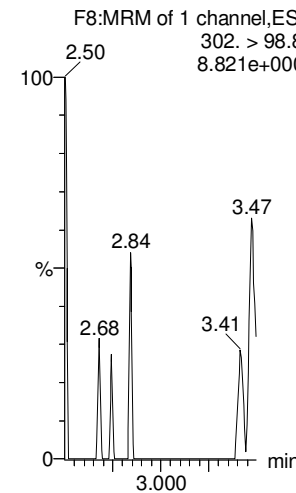
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

6:2 FTS

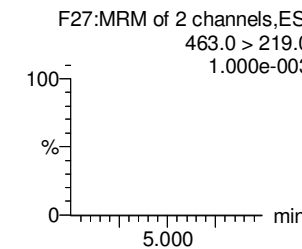
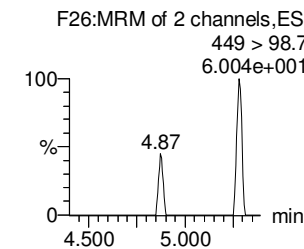
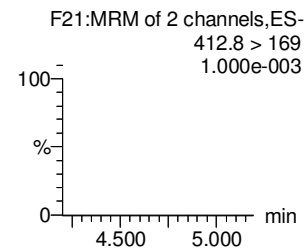
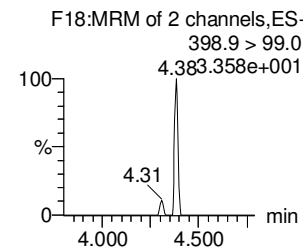
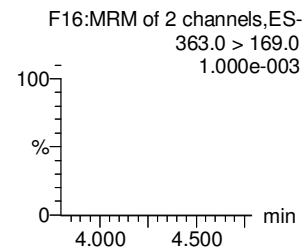
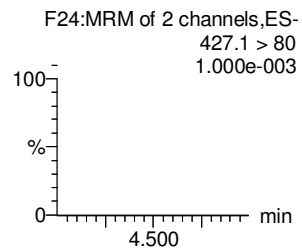
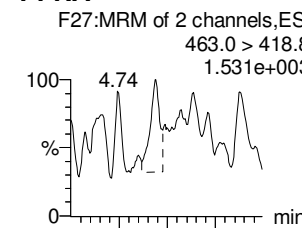
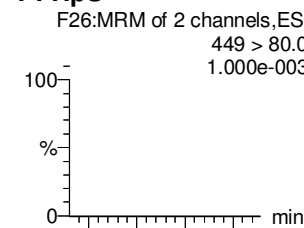
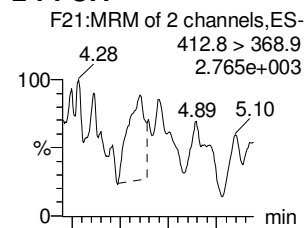
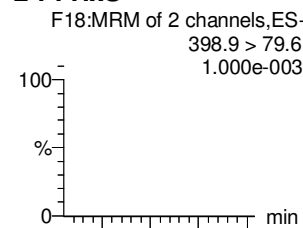
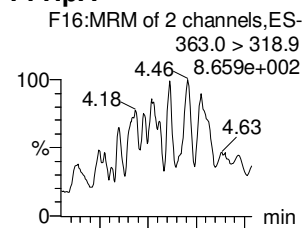
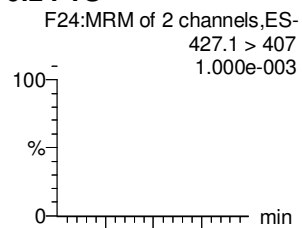
PFHpA

L-PFHxS

L-PFOA

PFHpS

PFNA



13C2-6:2 FTS

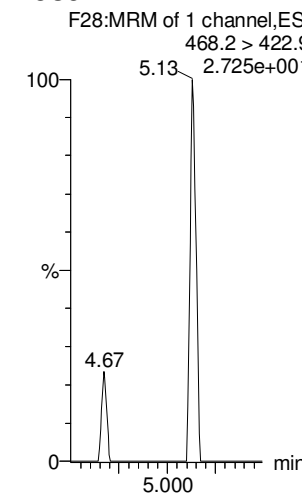
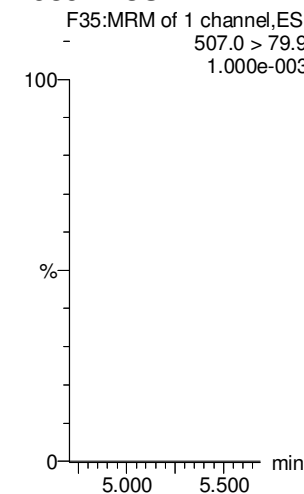
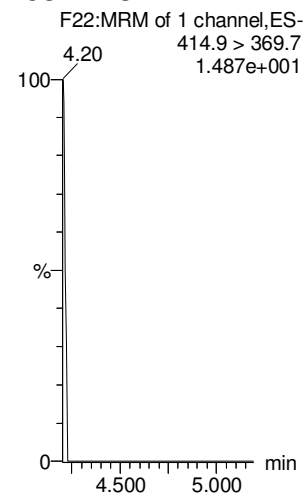
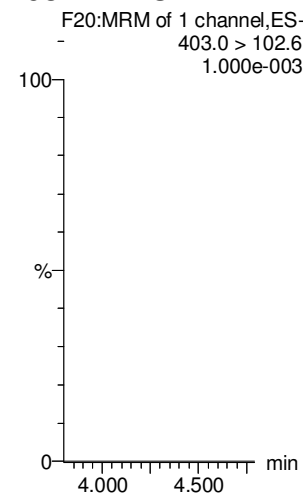
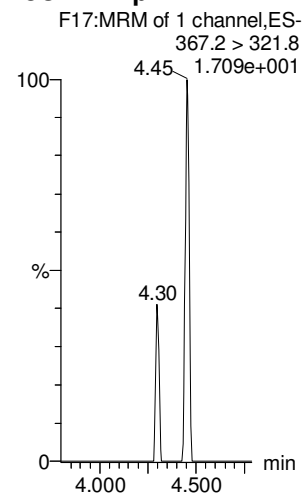
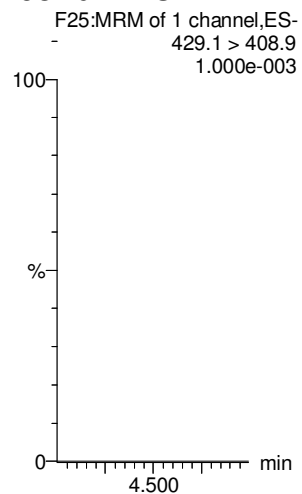
13C4-PFHpA

18O2-PFHxS

13C2-PFOA

13C8-PFOS

13C5-PFNA



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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

PFOSA

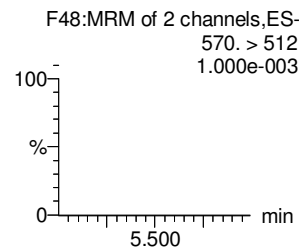
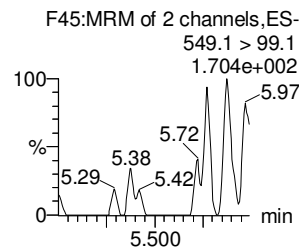
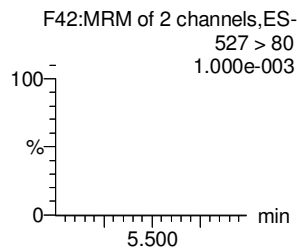
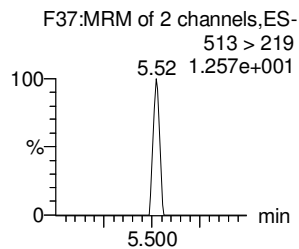
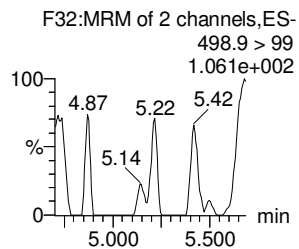
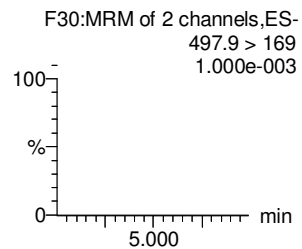
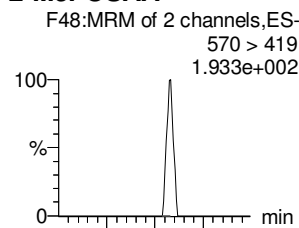
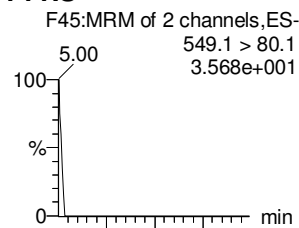
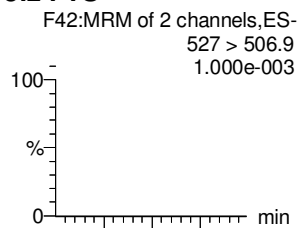
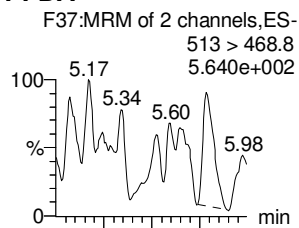
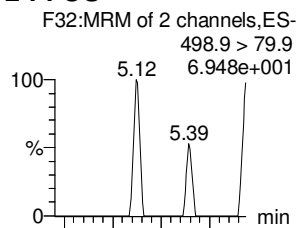
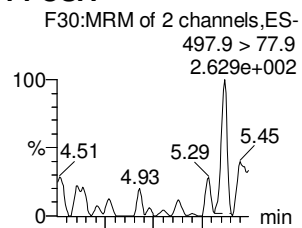
L-PFOS

PFDA

8:2 FTS

PFNS

L-MeFOSAA



13C8-PFOSA

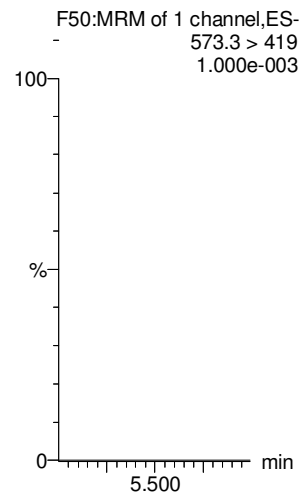
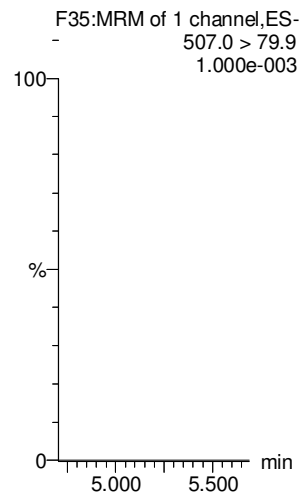
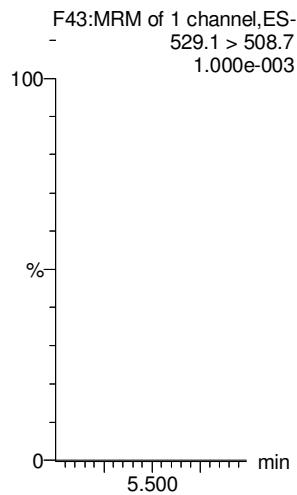
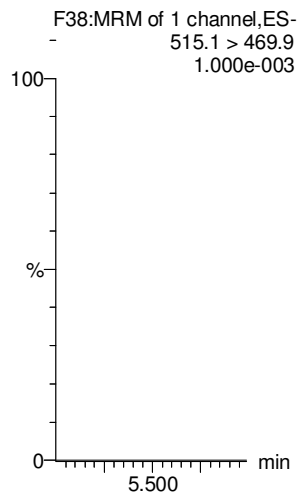
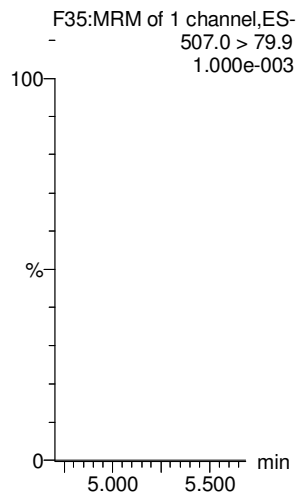
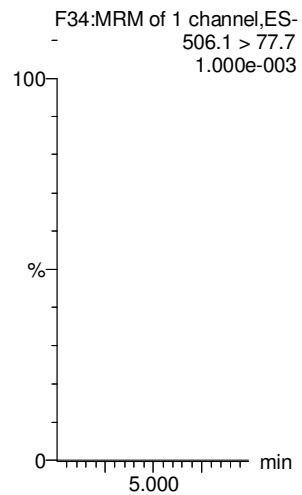
13C8-PFOS

13C2-PFDA

13C2-8:2 FTS

13C8-PFOS

d3-N-MeFOSAA



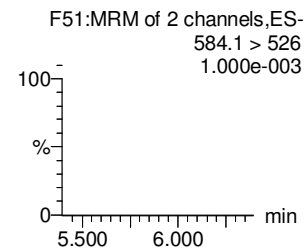
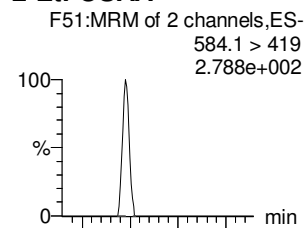
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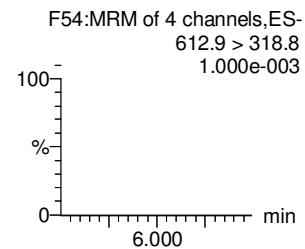
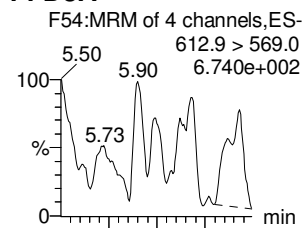
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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

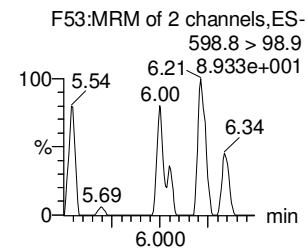
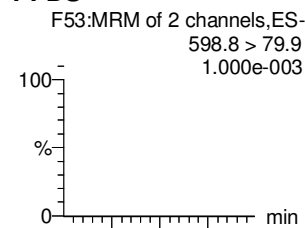
L-EtFOSAA



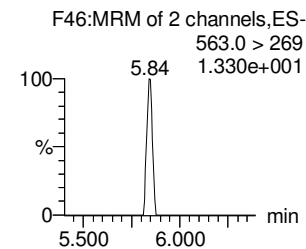
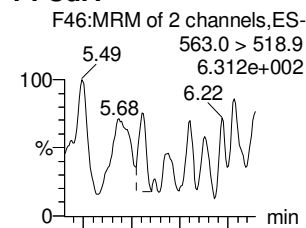
PFDoA



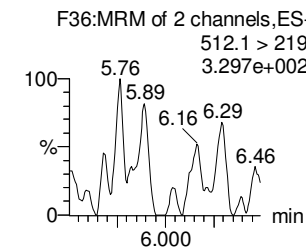
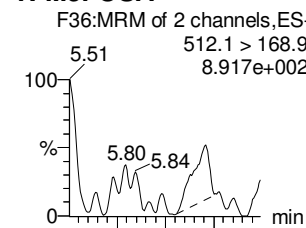
PFDS



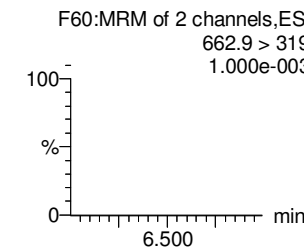
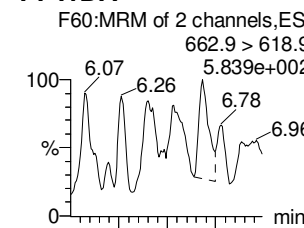
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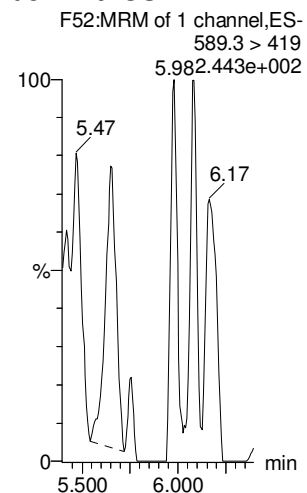
N-MeFOSA



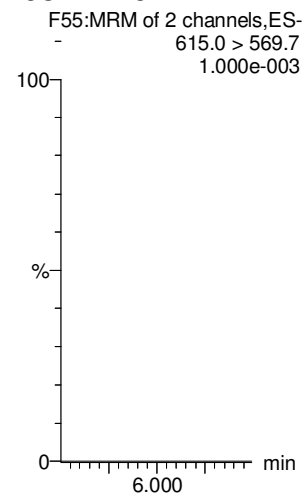
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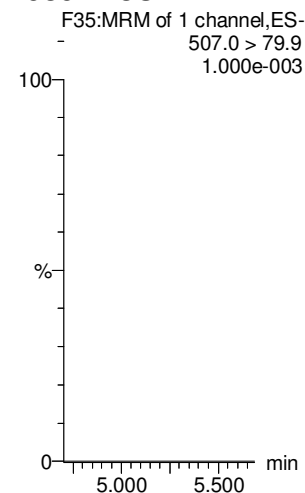
d5-N-EtFOSAA



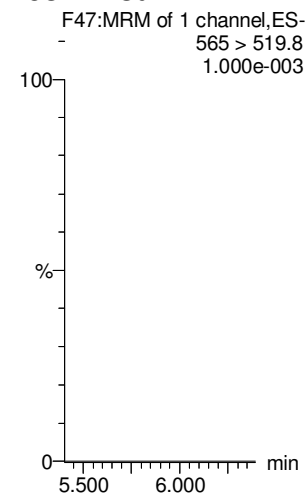
13C2-PFDoA



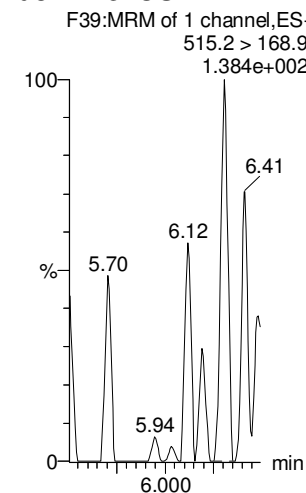
13C8-PFOS



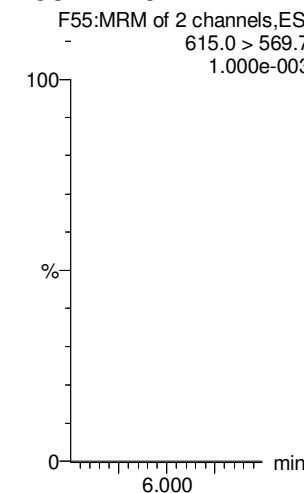
13C2-PFUdA



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13C2-PFDoA



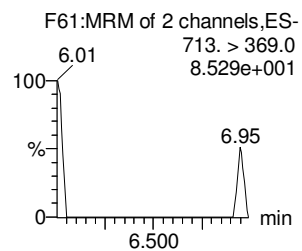
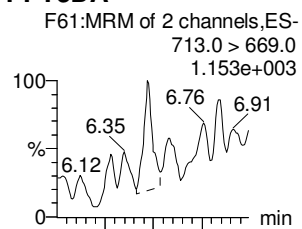
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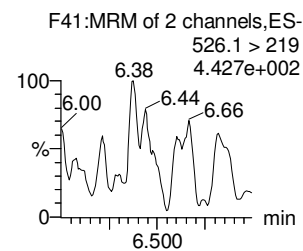
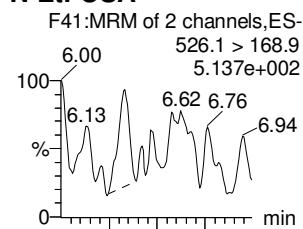
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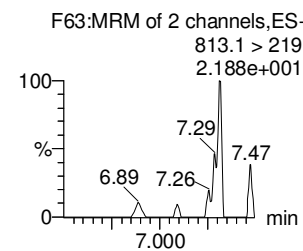
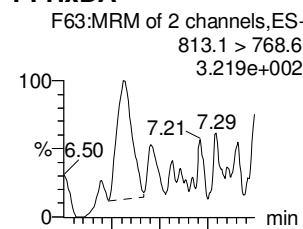
PFTeDA



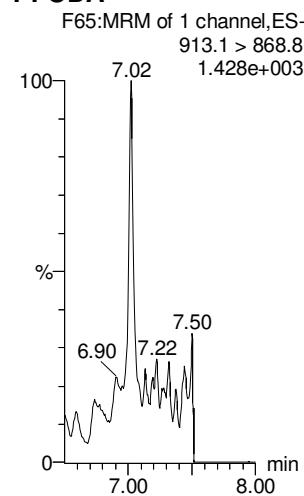
N-EtFOSA



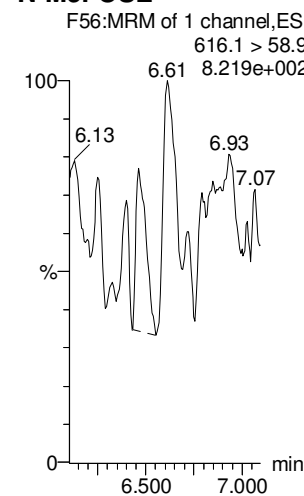
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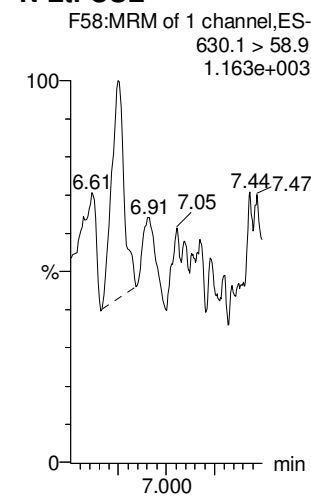
PFODA



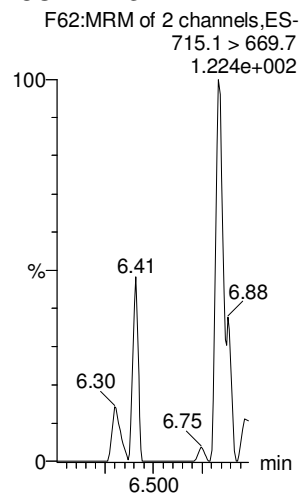
N-MeFOSE



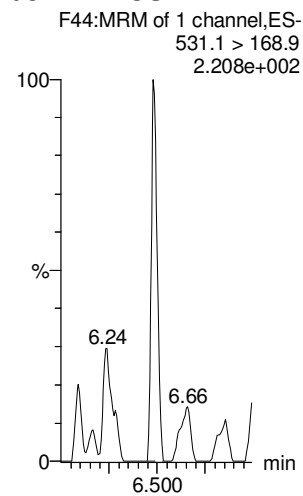
N-EtFOSE



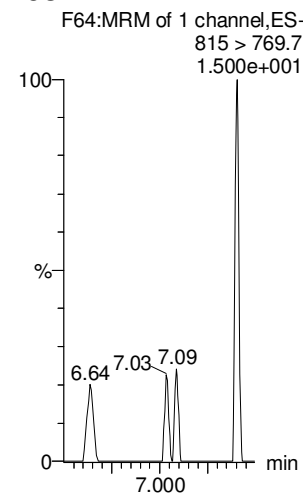
13C2-PFTeDA



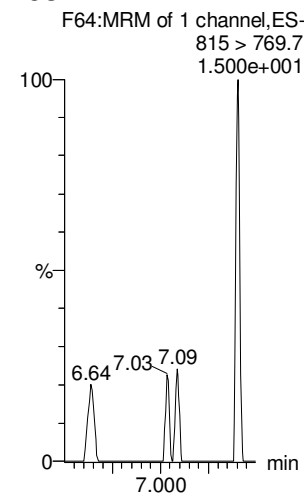
d5-N-ETFOSA



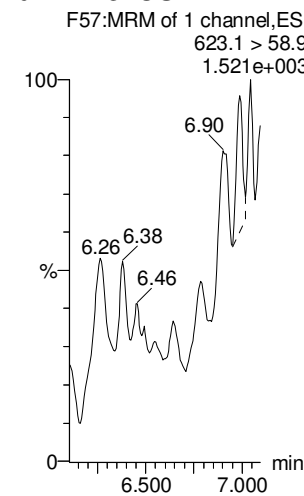
13C2-PFHxDA



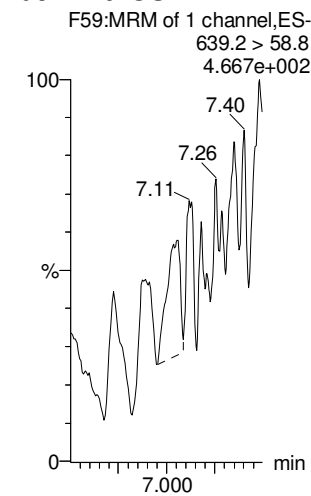
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



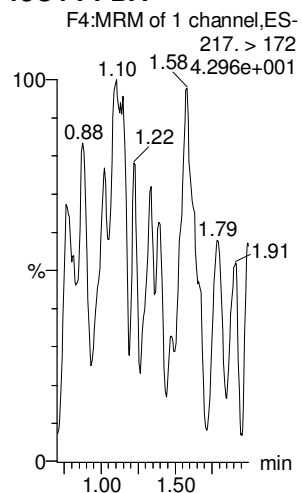
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Last Altered: Wednesday, October 24, 2018 15:39:55 Pacific Daylight Time

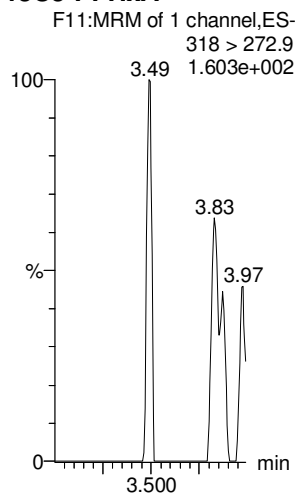
Printed: Wednesday, October 24, 2018 15:40:19 Pacific Daylight Time

Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

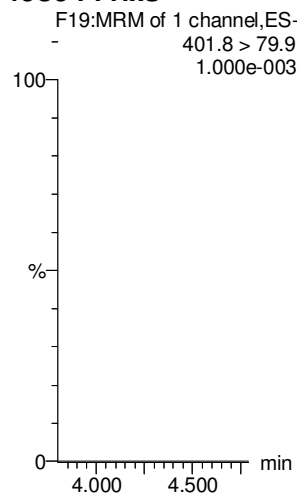
13C4-PFBA



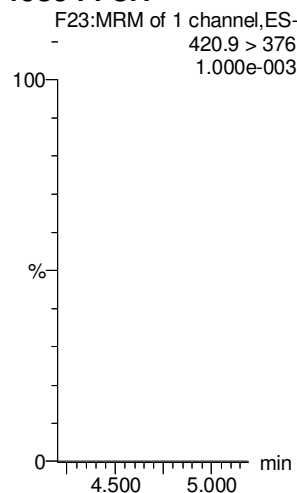
13C5-PFHxA



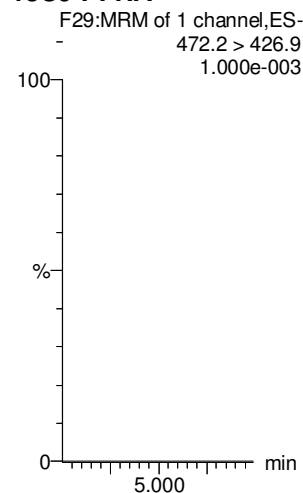
13C3-PFHxS



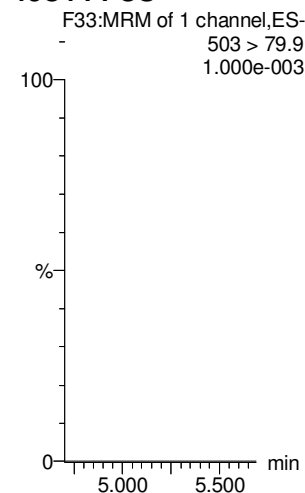
13C8-PFOA



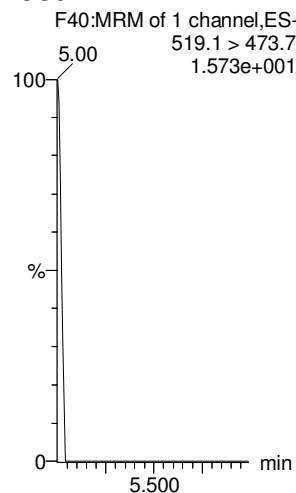
13C9-PFNA



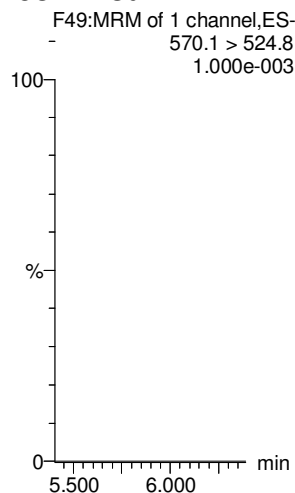
13C4-PFOS



13C6-PFDA



13C7-PFUdA



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

JAD 10/25/18

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	11262.902	11074.819	1.00	1.38	12.712	9.8	98.1	NO		
2	2 PFPeA	263.1 > 218.9	11050.160	12528.769	1.00	2.63	11.025	9.8	97.9	NO		
3	3 PFBS	299.0 > 79.7	3016.575	1812.794	1.00	2.95	20.801	9.6	96.0	NO	2.648	NO
4	4 4:2 FTS	327.2>307.2	2552.582	3018.529	1.00	3.42	10.570	10.5	105.1	NO	1.540	NO
5	5 PFHxA	313 > 269	17602.955	8710.692	1.00	3.51	10.104	9.8	98.0	NO	14.663	NO
6	6 PFPeS	349.1>80.1	2590.592	1812.794	1.00	3.72	17.863	9.4	94.0	NO	1.618	NO
7	36 13C3-PFBA	216.1 > 171.8	11074.819	14861.131	1.00	1.37	9.315	12.6	100.8	NO		
8	37 13C3-PFPeA	266. > 221.8	12528.769	21320.162	1.00	2.63	7.346	12.5	100.1	NO		
9	38 13C3-PFBS	302. > 98.8	1812.794	3667.792	1.00	2.95	6.178	12.6	101.2	NO		
10	39 13C2-4:2 FTS	329.2>308.9	3018.529	3667.792	1.00	3.42	10.287	11.5	92.1	NO		
11	40 13C2-PFHxA	315 > 270	8710.692	21320.162	1.00	3.51	5.107	5.1	102.0	NO		
12	38 13C3-PFBS	302. > 98.8	1812.794	3667.792	1.00	2.95	6.178	12.6	101.2	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	2413.541	2603.272	1.00	4.56	11.589	9.4	94.5	NO	2.693	NO
15	7 PFHpA	363.0 > 318.9	13416.979	10829.239	1.00	4.15	15.487	10.2	102.1	NO	16.341	NO
16	8 L-PFHxS	398.9 > 79.6	2145.543	1447.557	1.00	4.27	18.527	9.2	91.5	NO	1.509	NO
17	11 L-PFOA	412.8 > 368.9	22242.869	17758.717	1.00	4.61	15.656	9.8	98.1	NO	3.505	NO
18	13 PFHpS	449 > 80.0	2981.917	4049.031	1.00	4.72	9.206	9.2	91.7	NO	2.135	NO
19	14 PFNA	463.0 > 418.8	17658.465	15825.699	1.00	5.05	13.948	10.2	101.8	NO	4.584	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	2603.272	3543.363	1.00	4.56	9.184	10.9	86.9	NO		
21	41 13C4-PFHpA	367.2 > 321.8	10829.239	21320.162	1.00	4.15	6.349	12.4	99.0	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1447.557	3667.792	1.00	4.27	4.933	12.4	99.5	NO		
23	44 13C2-PFOA	414.9 > 369.7	17758.717	24140.018	1.00	4.61	9.196	12.8	102.2	NO		
24	47 13C8-PFOS	507.0 > 79.9	4049.031	3543.363	1.00	5.12	14.284	14.0	111.7	NO		
25	45 13C5-PFNA	468.2 > 422.9	15825.699	16451.250	1.00	5.04	12.025	12.4	99.3	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	6920.418	7028.461	1.00	5.08	12.308	9.8	97.8	NO	24.640	NO
28	16 L-PFOS	498.9 > 79.9	3334.999	4049.031	1.00	5.13	10.296	8.7	87.4	NO	1.807	NO
29	18 PFDA	513 > 468.8	19889.738	18474.873	1.00	5.41	13.457	9.8	97.9	NO	5.587	NO
30	19 8:2 FTS	527 > 506.9	2743.864	1863.202	1.00	5.39	18.408	10.9	109.3	NO	2.449	NO
31	20 PFNS	549.1 > 80.1	2564.322	4049.031	1.00	5.47	7.916	9.2	91.6	NO	1.588	NO
32	21 L-MeFOSAA	570 > 419	4172.367	2166.815	1.00	5.56	24.070	9.9	98.6	NO	2.533	NO
33	46 13C8-PFOA	506.1 > 77.7	7028.461	28350.564	1.00	5.07	3.099	10.5	83.9	NO		
34	47 13C8-PFOS	507.0 > 79.9	4049.031	3543.363	1.00	5.12	14.284	14.0	111.7	NO		
35	48 13C2-PFDA	515.1 > 469.9	18474.873	18092.549	1.00	5.41	12.764	12.3	98.2	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1863.202	3543.363	1.00	5.38	6.573	11.1	89.0	NO		

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Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

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Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	4049.031	3543.363	1.00	5.12	14.284	14.0	111.7	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2166.815	28350.564	1.00	5.56	0.955	17.4	139.3	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	3242.716	3008.700	1.00	5.72	13.472	9.7	96.6	NO	1.305	NO
41	27 PFDaA	612.9 > 569.0	28828.473	24600.252	1.00	6.01	14.648	9.5	95.5	NO	9.108	NO
42	26 PFDS	598.8 > 79.9	3345.358	4049.031	1.00	5.77	10.328	9.2	92.0	NO	1.674	NO
43	25 PFUdA	563.0 > 518.9	23353.512	26066.963	1.00	5.73	11.199	10.0	99.6	NO	10.787	NO
44	28 N-MeFOSA	512.1 > 168.9	10054.013	23472.199	1.00	5.89	64.251	51.4	102.9	NO	1.415	NO
45	29 PFTrDA	662.9 > 618.9	28572.883	24600.252	1.00	6.25	14.519	9.6	96.4	NO	28.812	NO
46	52 d5-N-EtFOSAA	589.3 > 419	3008.700	28350.564	1.00	5.71	1.327	14.6	116.5	NO		
47	53 13C2-PFDaA	615.0 > 569.7	24600.252	18092.549	1.00	6.01	16.996	15.4	123.3	NO		
48	47 13C8-PFOS	507.0 > 79.9	4049.031	3543.363	1.00	5.12	14.284	14.0	111.7	NO		
49	51 13C2-PFUdA	565 > 519.8	26066.963	28350.564	1.00	5.73	11.493	12.0	95.7	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	23472.199	28350.564	1.00	5.92	10.349	136.1	90.8	NO		
51	53 13C2-PFDaA	615.0 > 569.7	24600.252	18092.549	1.00	6.01	16.996	15.4	123.3	NO		
52	-1											
53	30 PFTeDA	713.0 > 669.0	23457.227	17573.049	1.00	6.46	16.686	9.1	91.0	NO	13.527	NO
54	31 N-EtFOSA	526.1 > 168.9	11619.763	30854.201	1.00	6.34	56.490	54.9	109.8	NO	1.589	NO
55	32 PFHxDA	813.1 > 768.6	9320.860	8509.888	1.00	6.78	5.476	11.1	111.5	NO	21.095	NO
56	33 PFODA	913.1 > 868.8	16226.321	8509.888	1.00	7.01	9.534	9.9	98.8	NO		
57	34 N-MeFOSE	616.1 > 58.9	8572.156	24340.855	1.00	6.60	52.826	46.4	92.9	NO		
58	35 N-EtFOSE	630.1 > 58.9	9986.719	22214.922	1.00	6.75	67.433	49.6	99.3	NO		
59	55 13C2-PFTeDA	715.1 > 669.7	17573.049	28350.564	1.00	6.46	7.748	13.8	110.5	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	30854.201	28350.564	1.00	6.36	13.604	135.3	90.2	NO		
61	57 13C2-PFHxDA	815 > 769.7	8509.888	28350.564	1.00	6.78	3.752	5.4	107.3	NO		
62	57 13C2-PFHxDA	815 > 769.7	8509.888	28350.564	1.00	6.78	3.752	5.4	107.3	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	24340.855	28350.564	1.00	6.59	10.732	115.4	76.9	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	22214.922	28350.564	1.00	6.74	9.795	115.7	77.1	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	14861.131	14861.131	1.00	1.38	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	21320.162	21320.162	1.00	3.51	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	3667.792	3667.792	1.00	4.27	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	24140.018	24140.018	1.00	4.61	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	16451.250	16451.250	1.00	5.04	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	3543.363	3543.363	1.00	5.13	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	18092.549	18092.549	1.00	5.41	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

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Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	28350.564	28350.564	1.00	5.73	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 08:57:34 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:57:38 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181024M2_1	IPA	24-Oct-18	11:08:25
2	2 181024M2_2	ST181024M2-1 PFC CS-2 18J1702	24-Oct-18	11:19:00
3	3 181024M2_3	ST181024M2-2 PFC CS-1 18J1703	24-Oct-18	11:29:33
4	4 181024M2_4	ST181024M2-3 PFC CS0 18J1704	24-Oct-18	11:40:12
5	5 181024M2_5	ST181024M2-4 PFC CS1 18J1705	24-Oct-18	11:50:45
6	6 181024M2_6	ST181024M2-5 PFC CS2 18J1706	24-Oct-18	12:01:23
7	7 181024M2_7	ST181024M2-6 PFC CS3 18J1707	24-Oct-18	12:12:01
8	8 181024M2_8	ST181024M2-7 PFC CS4 18J1708	24-Oct-18	12:22:34
9	9 181024M2_9	ST181024M2-8 PFC CS5 18J1709	24-Oct-18	12:33:13
10	10 181024M2_10	ST181024M2-9 PFC CS6 18J1710	24-Oct-18	12:43:46
11	11 181024M2_11	ST181024M2-10 PFC CS7 18J1711	24-Oct-18	12:54:24
12	12 181024M2_12	IPA	24-Oct-18	13:04:56
13	13 181024M2_13	ICV181024M2-1 PFC ICV 18J2201	24-Oct-18	13:15:35
14	14 181024M2_14	IPA	24-Oct-18	13:26:08
15	15 181024M2_15	IPA	24-Oct-18	13:36:47
16	16 181024M2_16	IPA	24-Oct-18	13:47:20
17	17 181024M2_17	IPA	24-Oct-18	13:57:58
18	18 181024M2_18	IPA	24-Oct-18	14:08:31
19	19 181024M2_19	1803344-04 REEPEF448 0.11801	24-Oct-18	14:20:31
20	20 181024M2_20	1803344-11 REEPAR450 0.11995	24-Oct-18	14:31:03
21	21 181024M2_21	1803344-12 REEPAC450 0.11927	24-Oct-18	14:41:41
22	22 181024M2_22	1803344-13 REEPEF451 0.11832	24-Oct-18	14:52:14
23	23 181024M2_23	1803344-14 REEPAR451 0.11408	24-Oct-18	15:02:53
24	24 181024M2_24	1803344-15 REEPAR679 0.11862	24-Oct-18	15:13:25
25	25 181024M2_25	1803344-16 REEPAC451 0.11773	24-Oct-18	15:24:04
26	26 181024M2_26	1803344-17 REEPIN451 0.11978	24-Oct-18	15:34:36
27	27 181024M2_27	B8J0159-BS1 OPR 0.125	24-Oct-18	15:45:14
28	28 181024M2_28	B8J0159-MS1 Matrix Spike 0.11953	24-Oct-18	15:55:47
29	29 181024M2_29	B8J0159-MSD1 Matrix Spike Dup 0.12338	24-Oct-18	16:06:26
30	30 181024M2_30	B8J0159-BLK1 Method Blank 0.125	24-Oct-18	16:17:04
31	31 181024M2_31	1803345-01 REEPEF455 0.12539	24-Oct-18	16:27:37
32	32 181024M2_32	1803345-02 REEPAR455 0.12372	24-Oct-18	16:38:16

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 08:57:34 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:57:38 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 181024M2_33	IPA	24-Oct-18	16:48:49
34	34 181024M2_34	ST181024M2-11 PFC CS3 18J1707	24-Oct-18	16:59:28
35	35 181024M2_35	1803345-03 REEPAC455 0.12345	24-Oct-18	17:10:01
36	36 181024M2_36	1803345-04 REEPEF457 0.1243	24-Oct-18	17:20:39
37	37 181024M2_37	1803345-05 REEPAR457 0.1223	24-Oct-18	17:31:12
38	38 181024M2_38	1803345-06 REEPAC457 0.12272	24-Oct-18	17:41:50
39	39 181024M2_39	1803345-07 REEPEF459 0.12166	24-Oct-18	17:52:24
40	40 181024M2_40	1803345-08 REEPAR459 0.12421	24-Oct-18	18:03:02
41	41 181024M2_41	1803345-09 REEPAC459 0.12071	24-Oct-18	18:13:35
42	42 181024M2_42	1803345-10 REEPEF456 0.11124	24-Oct-18	18:24:13
43	43 181024M2_43	1803345-11 REEPAR456 0.11379	24-Oct-18	18:34:46
44	44 181024M2_44	1803345-12 REEPAC456 0.12467	24-Oct-18	18:45:24
45	45 181024M2_45	1803345-13 REEPAC681 0.11772	24-Oct-18	18:55:57
46	46 181024M2_46	IPA	24-Oct-18	19:06:36
47	47 181024M2_47	ST181024M2-12 PFC CS3 18J1707	24-Oct-18	19:17:09
48	48 181024M2_48	1803345-13 REEPAC681 0.11772	24-Oct-18	19:27:47
49	49 181024M2_49	1803345-14 REEPEF458 0.12066	24-Oct-18	19:38:20
50	50 181024M2_50	1803345-15 REEPAR458 0.11926	24-Oct-18	19:48:58
51	51 181024M2_51	1803345-16 REEPAC458 0.12002	24-Oct-18	19:59:31
52	52 181024M2_52	1803345-17 REEPEF682 0.11756	24-Oct-18	20:10:09
53	53 181024M2_53	B8J0158-BS1 OPR 0.125	24-Oct-18	20:20:43
54	54 181024M2_54	B8J0158-BSD1 LCSD 0.125	24-Oct-18	20:31:21
55	55 181024M2_55	B8J0158-BLK1 Method Blank 0.125	24-Oct-18	20:41:55
56	56 181024M2_56	1803342-01 OF-INF01-101618 0.1232	24-Oct-18	20:52:32
57	57 181024M2_57	1803342-02 OF-SAC01-101618 0.11484	24-Oct-18	21:03:05
58	58 181024M2_58	1803342-03 OF-MID01-101618 0.1104	24-Oct-18	21:13:44
59	59 181024M2_59	1803342-04 OF-EFF01-101618 0.11812	24-Oct-18	21:24:17
60	60 181024M2_60	1803342-05 OF-FBSAC01-101618 0.12094	24-Oct-18	21:34:55
61	61 181024M2_61	IPA	24-Oct-18	21:45:28
62	62 181024M2_62	ST181024M2-13 PFC CS3 18J1707	24-Oct-18	21:56:06
63	63 181024M2_63	ST181024M2-14 PFC CS0 18J1704	24-Oct-18	22:06:40

ⓐ Invalid. Over 10 samples

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

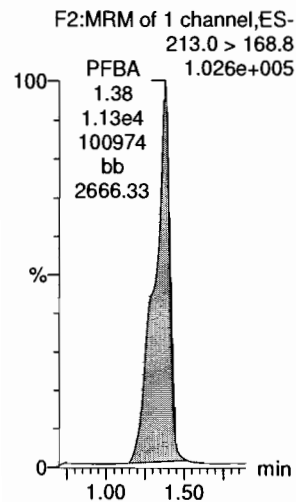
Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

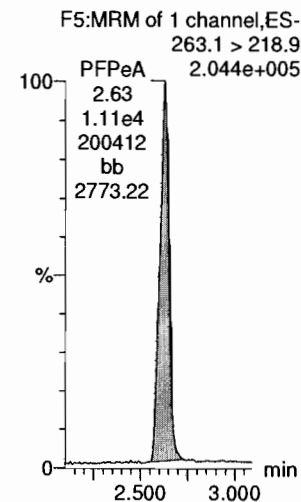
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

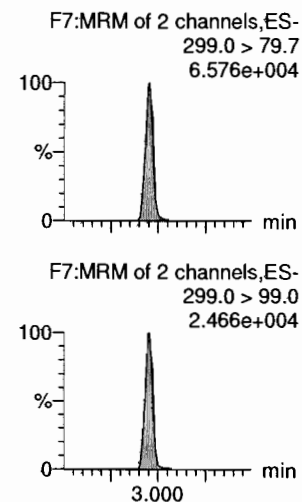
PFBA



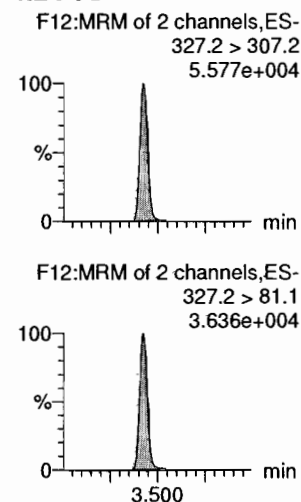
PFPeA



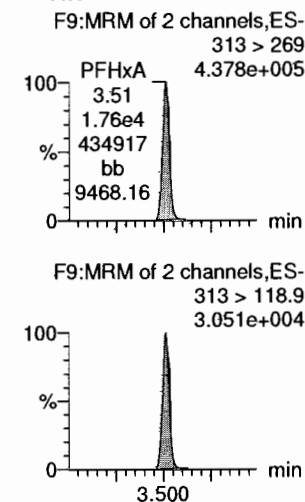
PFBS



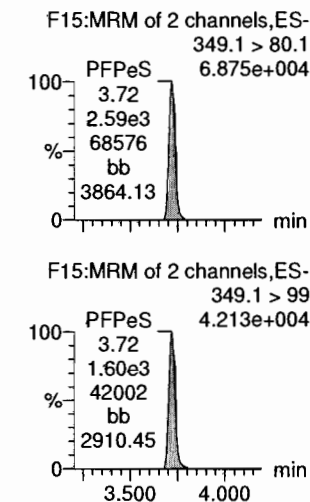
4:2 FTS



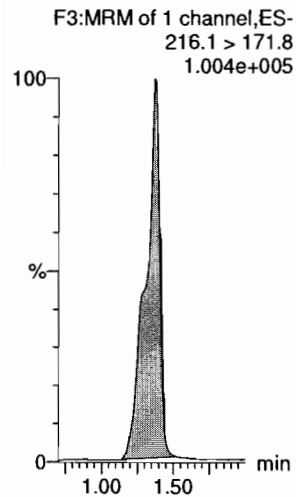
PFHxA



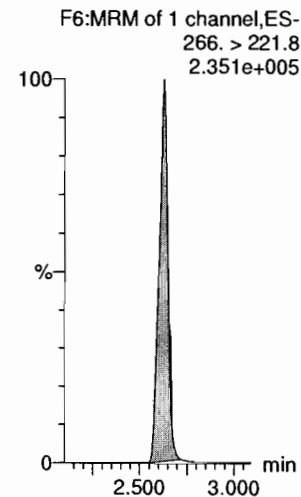
PFPeS



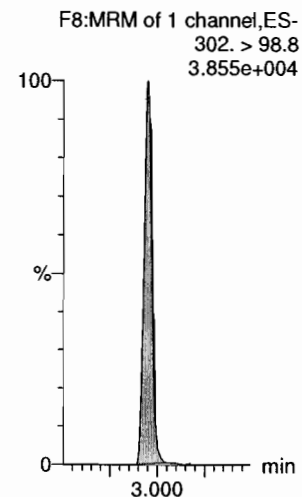
13C3-PFBA



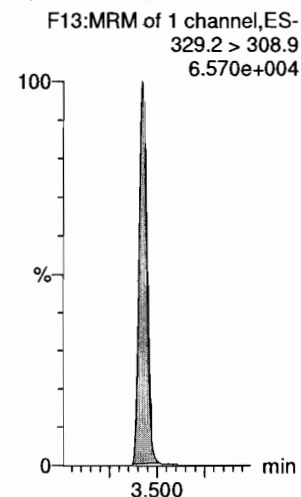
13C3-PFPeA



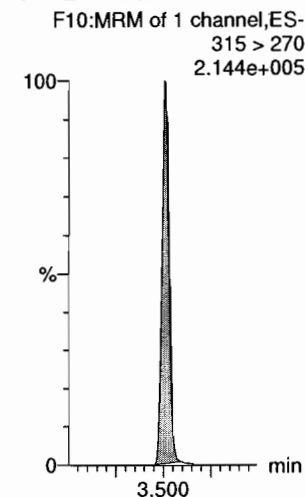
13C3-PFBS



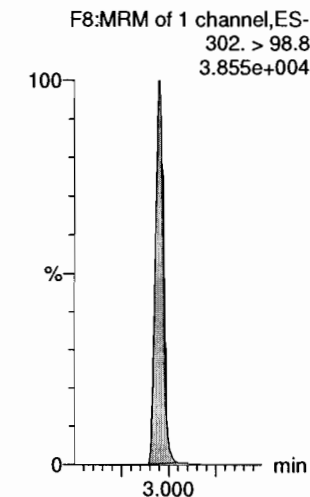
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

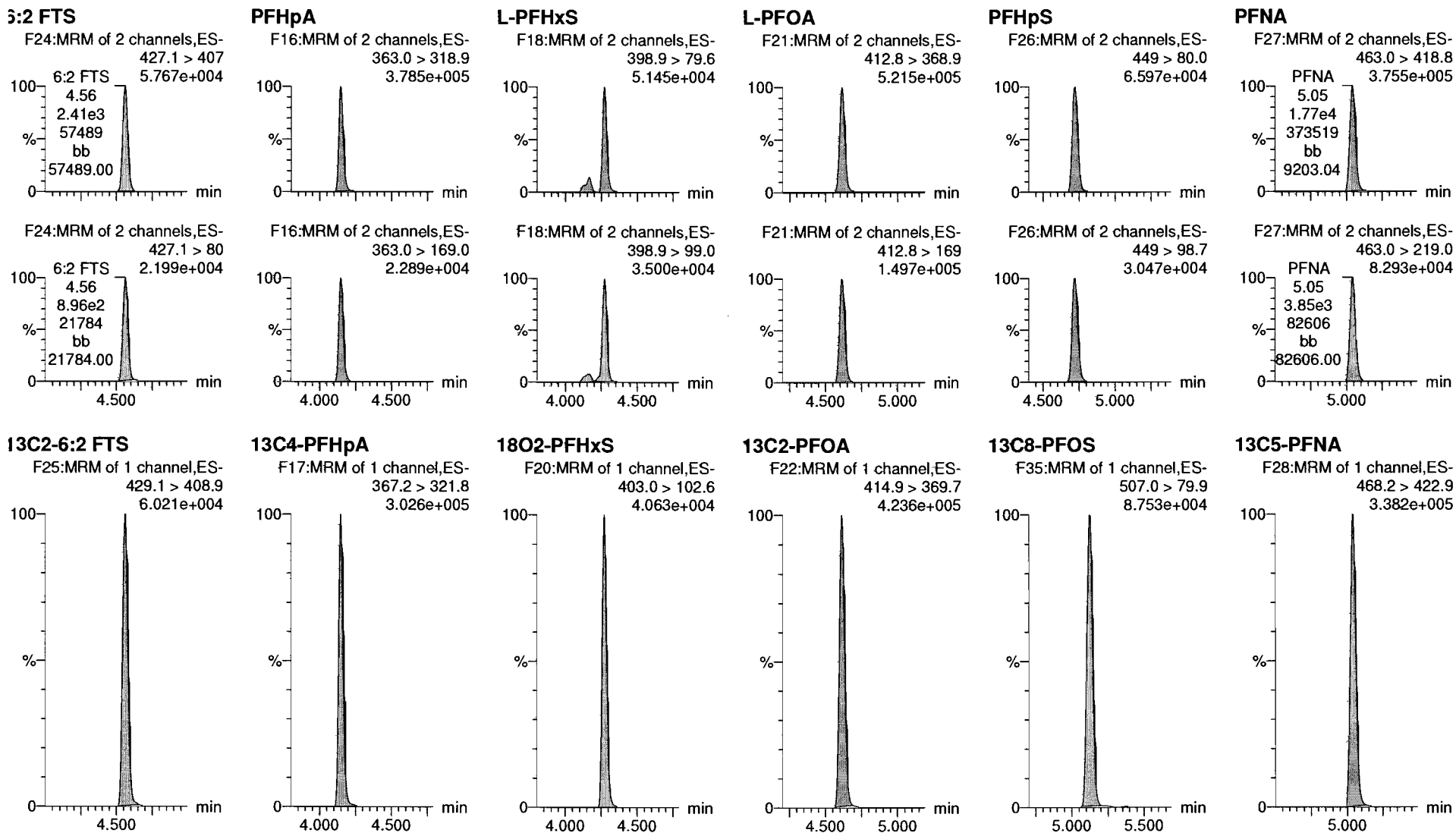


Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

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Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

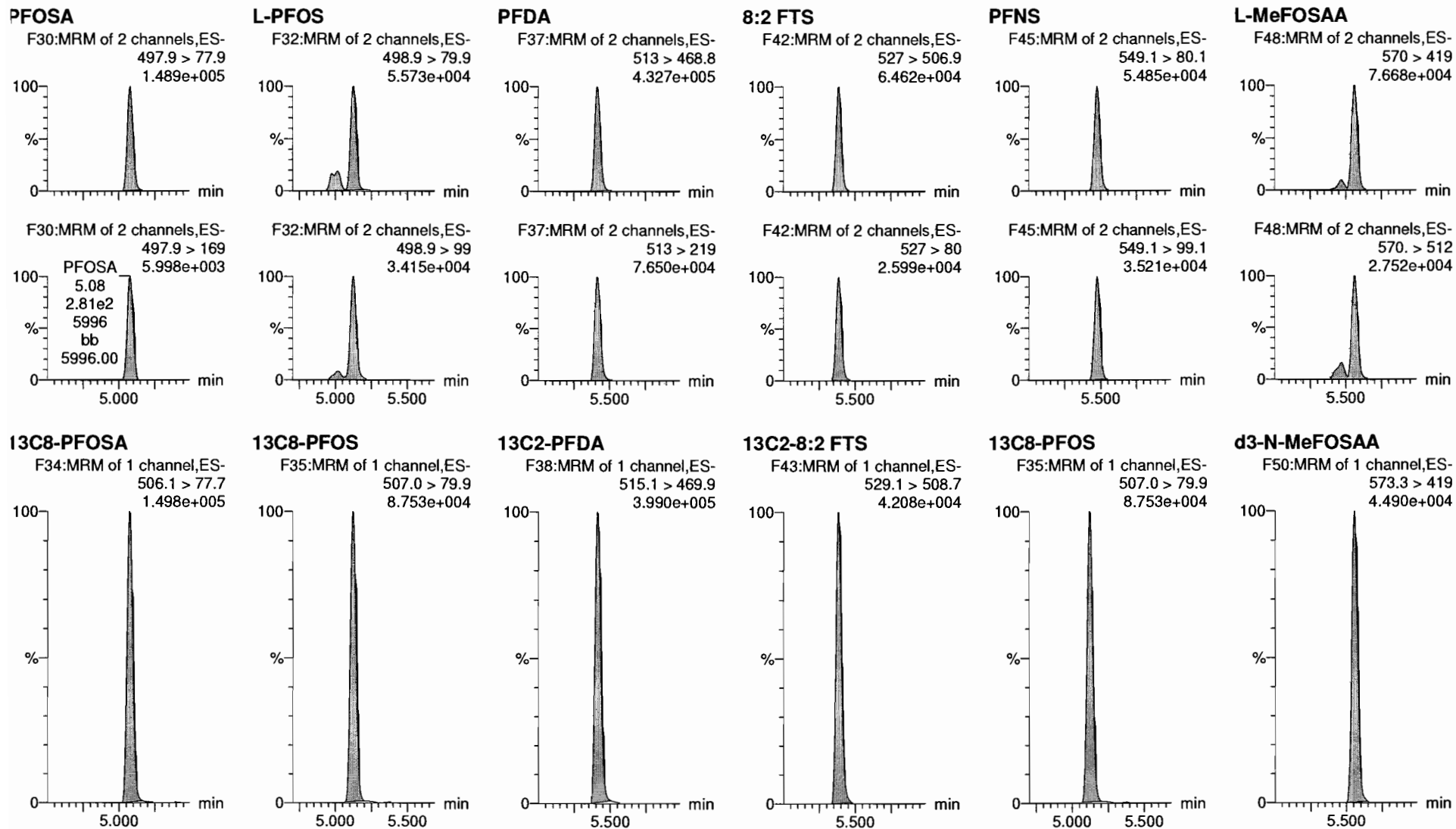


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Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

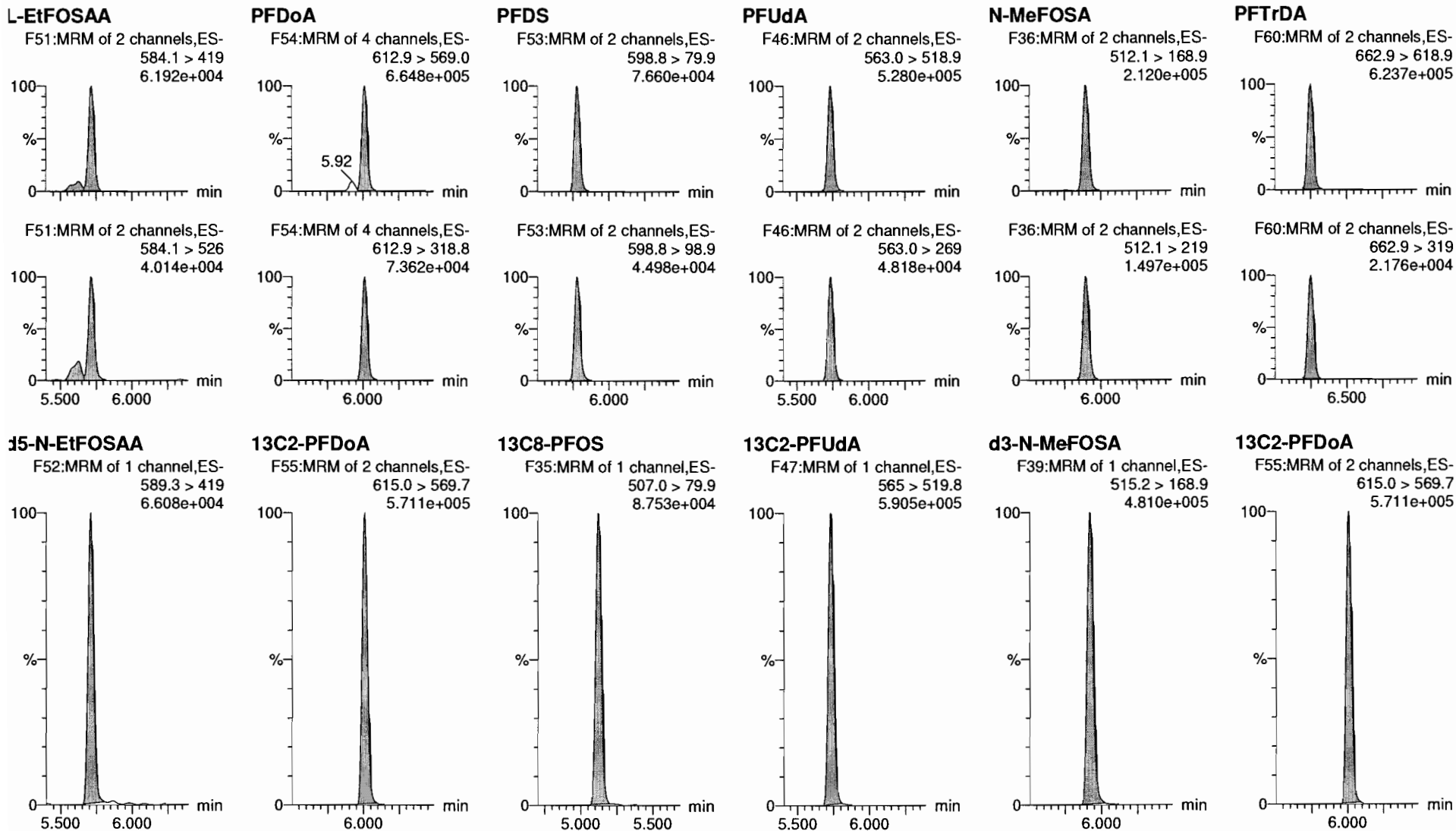


Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qld

Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707



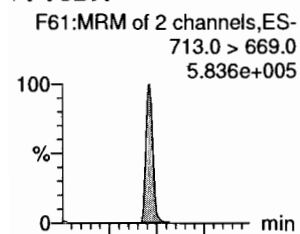
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Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

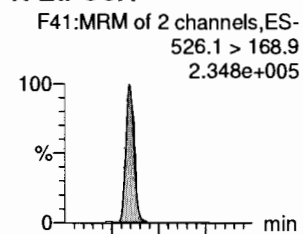
Printed: Thursday, October 25, 2018 08:44:00 Pacific Daylight Time

Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

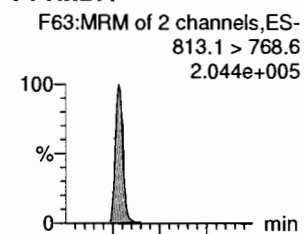
PFTeDA



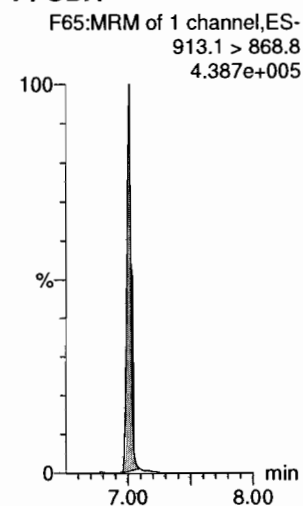
N-EtFOSA



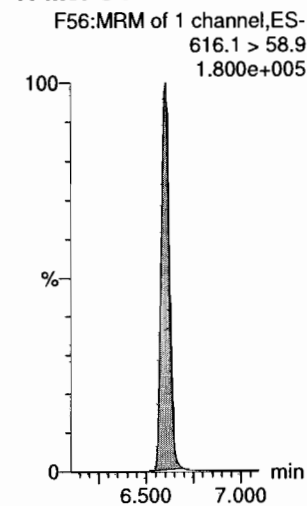
PFHxDA



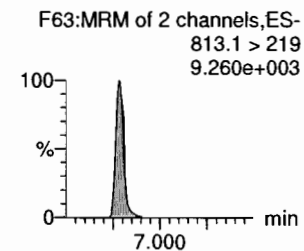
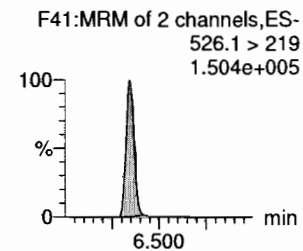
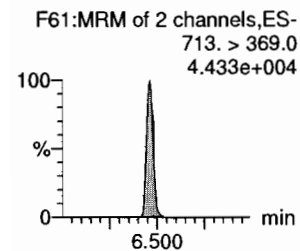
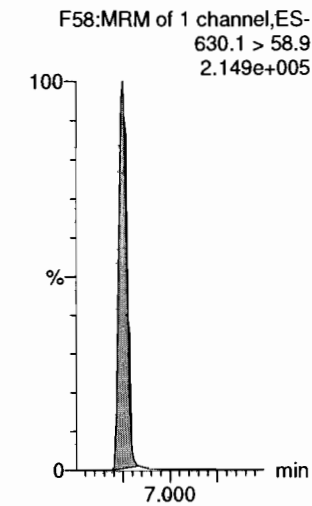
PFODA



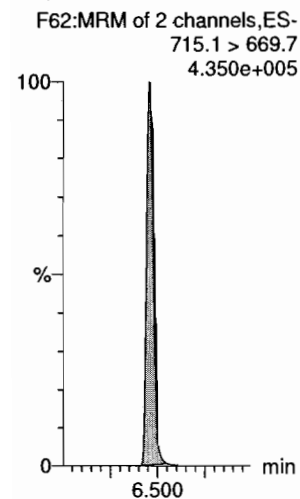
N-MeFOSE



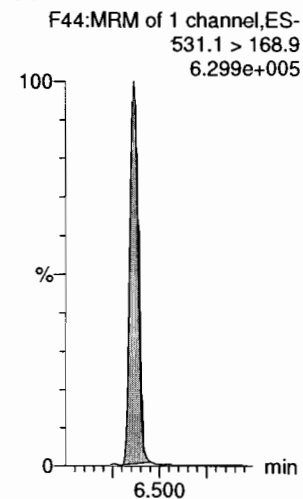
N-EtFOSE



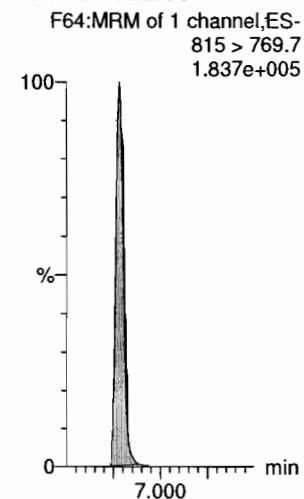
13C2-PFTeDA



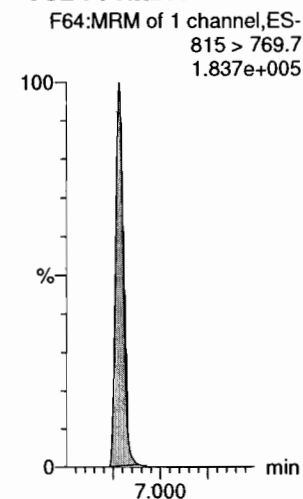
d5-N-ETFOSA



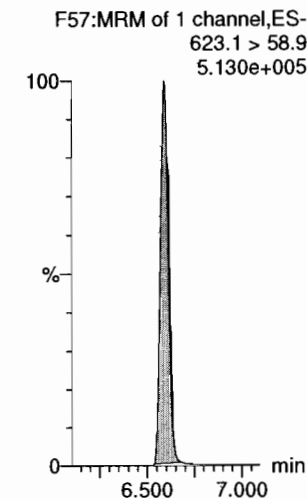
13C2-PFHxDA



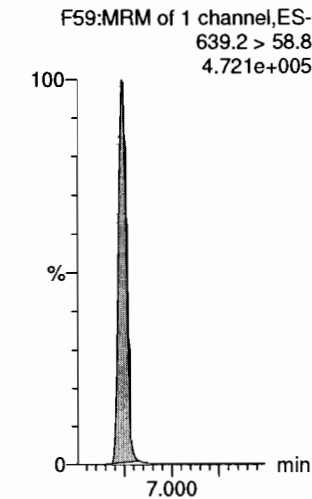
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-47.qid

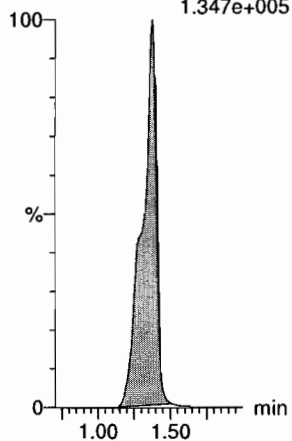
Last Altered: Thursday, October 25, 2018 08:43:25 Pacific Daylight Time

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Name: 181024M2_47, Date: 24-Oct-2018, Time: 19:17:09, ID: ST181024M2-12 PFC CS3 18J1707, Description: PFC CS3 18J1707

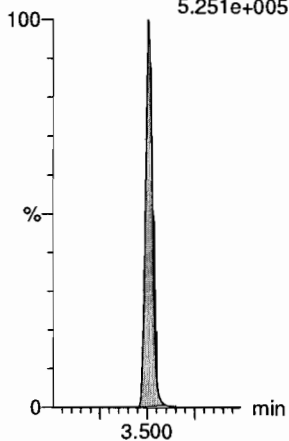
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.347e+005



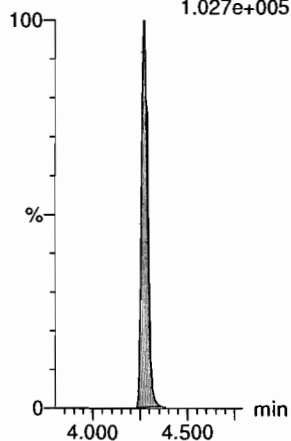
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.251e+005



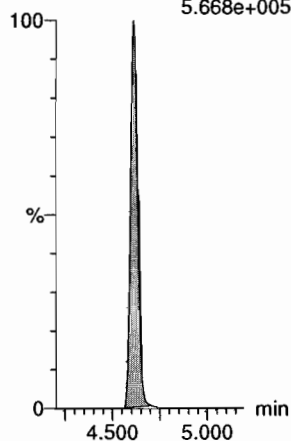
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.027e+005



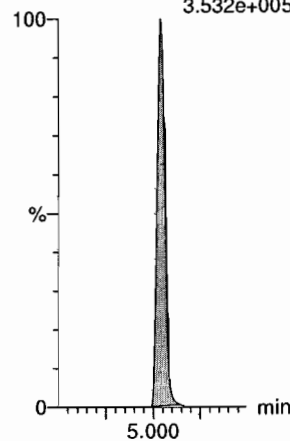
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
5.668e+005



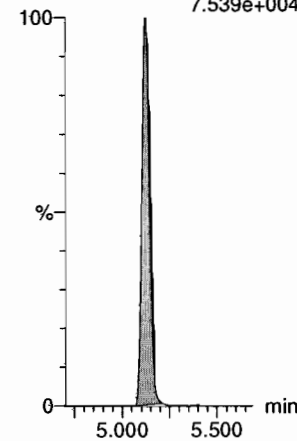
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.532e+005



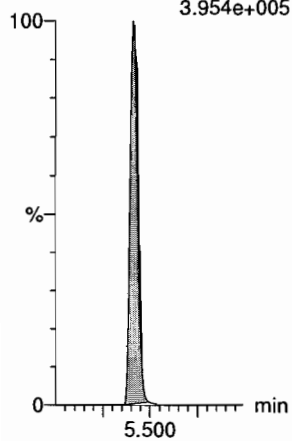
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.539e+004



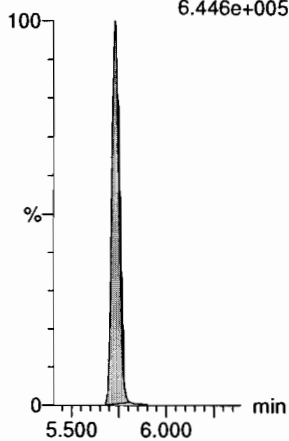
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.954e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.446e+005



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

VAD 10/25/18

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Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	11478.300	11453.445	1.00	1.37	12.527	9.7	96.6	NO		
2	2 PFPeA	263.1 > 218.9	11516.112	12998.970	1.00	2.63	11.074	9.8	98.3	NO		
3	3 PFBS	299.0 > 79.7	3122.866	1869.154	1.00	2.95	20.884	9.6	96.4	NO	2.806	NO
4	4 4:2 FTS	327.2>307.2	2566.809	3240.798	1.00	3.42	9.900	9.8	98.2	NO	1.567	NO
5	5 PFHxA	313 > 269	17861.938	8898.273	1.00	3.51	10.037	9.7	97.4	NO	14.112	NO
6	6 PFPeS	349.1>80.1	2782.597	1869.154	1.00	3.72	18.609	9.8	97.9	NO	1.710	NO
7	36 13C3-PFBA	216.1 > 171.8	11453.445	15167.520	1.00	1.37	9.439	12.8	102.1	NO		
8	37 13C3-PFPeA	266. > 221.8	12998.970	21821.959	1.00	2.63	7.446	12.7	101.5	NO		
9	38 13C3-PFBS	302. > 98.8	1869.154	3555.424	1.00	2.95	6.571	13.5	107.6	NO		
10	39 13C2-4:2 FTS	329.2>308.9	3240.798	3555.424	1.00	3.42	11.394	12.8	102.0	NO		
11	40 13C2-PFHxA	315 > 270	8898.273	21821.959	1.00	3.51	5.097	5.1	101.8	NO		
12	38 13C3-PFBS	302. > 98.8	1869.154	3555.424	1.00	2.95	6.571	13.5	107.6	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	2624.630	2677.700	1.00	4.56	12.252	10.0	100.1	NO	3.011	NO
15	7 PFHpA	363.0 > 318.9	13171.688	11072.624	1.00	4.14	14.870	9.8	98.0	NO	15.710	NO
16	8 L-PFHxS	398.9 > 79.6	2142.312	1377.511	1.00	4.27	19.440	9.6	96.0	NO	1.436	NO
17	11 L-PFOA	412.8 > 368.9	21834.838	17930.912	1.00	4.61	15.222	9.5	95.3	NO	3.442	NO
18	13 PFHpS	449 > 80.0	3050.251	3872.075	1.00	4.72	9.847	9.8	98.1	NO	2.014	NO
19	14 PFNA	463.0 > 418.8	17313.529	16450.211	1.00	5.04	13.156	9.6	96.0	NO	4.547	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	2677.700	3950.333	1.00	4.56	8.473	10.0	80.1	NO		
21	41 13C4-PFHpA	367.2 > 321.8	11072.624	21821.959	1.00	4.14	6.343	12.4	98.9	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1377.511	3555.424	1.00	4.27	4.843	12.2	97.7	NO		
23	44 13C2-PFOA	414.9 > 369.7	17930.912	23976.553	1.00	4.61	9.348	13.0	103.9	NO		
24	47 13C8-PFOS	507.0 > 79.9	3872.075	3950.333	1.00	5.12	12.252	12.0	95.8	NO		
25	45 13C5-PFNA	468.2 > 422.9	16450.211	17269.721	1.00	5.04	11.907	12.3	98.3	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	6960.602	7011.143	1.00	5.07	12.410	9.9	98.6	NO	23.412	NO
28	16 L-PFOS	498.9 > 79.9	3330.032	3872.075	1.00	5.12	10.750	9.1	91.3	NO	1.738	NO
29	18 PFDA	513 > 468.8	20807.986	19244.877	1.00	5.41	13.515	9.8	98.3	NO	5.985	NO
30	19 8:2 FTS	527 > 506.9	2568.666	1808.529	1.00	5.38	17.754	10.5	105.3	NO	2.198	NO
31	20 PFNS	549.1 > 80.1	2742.688	3872.075	1.00	5.47	8.854	10.2	102.4	NO	1.736	NO
32	21 L-MeFOSAA	570 > 419	4334.337	2447.193	1.00	5.56	22.139	9.1	90.7	NO	2.403	NO
33	46 13C8-PFOSA	506.1 > 77.7	7011.143	27584.264	1.00	5.07	3.177	10.8	86.0	NO		
34	47 13C8-PFOS	507.0 > 79.9	3872.075	3950.333	1.00	5.12	12.252	12.0	95.8	NO		
35	48 13C2-PFDA	515.1 > 469.9	19244.877	17984.240	1.00	5.41	13.376	12.9	102.9	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1808.529	3950.333	1.00	5.38	5.723	9.7	77.5	NO		

*CAF
10/25/18*

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

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Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	3872.075	3950.333	1.00	5.12	12.252	12.0	95.8	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2447.193	27584.264	1.00	5.55	1.109	20.2	161.7	YES		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	3687.880	3191.869	1.00	5.71	14.442	10.3	103.5	NO	1.472	NO
41	27 PFDoA	612.9 > 569.0	28981.906	24897.279	1.00	6.00	14.551	9.5	94.9	NO	9.203	NO
42	26 PFDS	598.8 > 79.9	3478.578	3872.075	1.00	5.77	11.230	10.0	100.1	NO	1.699	NO
43	25 PFUdA	563.0 > 518.9	24182.316	25760.457	1.00	5.73	11.734	10.4	104.4	NO	11.712	NO
44	28 N-MeFOSA	512.1 > 168.9	10384.886	24257.621	1.00	5.89	64.216	51.4	102.8	NO	1.448	NO
45	29 PFTrDA	662.9 > 618.9	28500.760	24897.279	1.00	6.24	14.309	9.5	95.0	NO	27.996	NO
46	52 d5-N-EtFOSAA	589.3 > 419	3191.869	27584.264	1.00	5.71	1.446	15.9	127.0	NO		
47	53 13C2-PFDoA	615.0 > 569.7	24897.279	17984.240	1.00	6.00	17.305	15.7	125.5	NO		
48	47 13C8-PFOS	507.0 > 79.9	3872.075	3950.333	1.00	5.12	12.252	12.0	95.8	NO		
49	51 13C2-PFUdA	565 > 519.8	25760.457	27584.264	1.00	5.73	11.674	12.1	97.2	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	24257.621	27584.264	1.00	5.92	10.993	144.6	96.4	NO		
51	53 13C2-PFDoA	615.0 > 569.7	24897.279	17984.240	1.00	6.00	17.305	15.7	125.5	NO		
52	-1											
53	30 PFTeDA	713.0 > 669.0	24242.150	17208.262	1.00	6.46	17.609	9.6	96.0	NO	13.016	NO
54	31 N-EtFOSA	526.1 > 168.9	11353.935	32113.170	1.00	6.34	53.034	51.5	103.0	NO	1.457	NO
55	32 PFHxDA	813.1 > 768.6	8811.178	8359.495	1.00	6.78	5.270	10.7	107.2	NO	19.771	NO
56	33 PFODA	913.1 > 868.8	16065.982	8359.495	1.00	7.01	9.609	10.0	99.6	NO		
57	34 N-MeFOSE	616.1 > 58.9	9016.104	23837.514	1.00	6.60	56.735	49.9	99.8	NO		
58	35 N-EtFOSE	630.1 > 58.9	10367.870	23435.990	1.00	6.75	66.359	48.8	97.7	NO		
59	55 13C2-PFTeDA	715.1 > 669.7	17208.262	27584.264	1.00	6.46	7.798	13.9	111.2	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	32113.170	27584.264	1.00	6.36	14.552	144.7	96.5	NO		
61	57 13C2-PFHxDA	815 > 769.7	8359.495	27584.264	1.00	6.78	3.788	5.4	108.4	NO		
62	57 13C2-PFHxDA	815 > 769.7	8359.495	27584.264	1.00	6.78	3.788	5.4	108.4	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	23837.514	27584.264	1.00	6.59	10.802	116.1	77.4	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	23435.990	27584.264	1.00	6.74	10.620	125.5	83.6	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	15167.520	15167.520	1.00	1.38	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	21821.959	21821.959	1.00	3.51	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	3555.424	3555.424	1.00	4.27	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	23976.553	23976.553	1.00	4.61	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	17269.721	17269.721	1.00	5.04	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	3950.333	3950.333	1.00	5.12	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	17984.240	17984.240	1.00	5.41	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	27584.264	27584.264	1.00	5.73	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 08:57:34 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:57:38 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181024M2_1	IPA	24-Oct-18	11:08:25
2	2 181024M2_2	ST181024M2-1 PFC CS-2 18J1702	24-Oct-18	11:19:00
3	3 181024M2_3	ST181024M2-2 PFC CS-1 18J1703	24-Oct-18	11:29:33
4	4 181024M2_4	ST181024M2-3 PFC CS0 18J1704	24-Oct-18	11:40:12
5	5 181024M2_5	ST181024M2-4 PFC CS1 18J1705	24-Oct-18	11:50:45
6	6 181024M2_6	ST181024M2-5 PFC CS2 18J1706	24-Oct-18	12:01:23
7	7 181024M2_7	ST181024M2-6 PFC CS3 18J1707	24-Oct-18	12:12:01
8	8 181024M2_8	ST181024M2-7 PFC CS4 18J1708	24-Oct-18	12:22:34
9	9 181024M2_9	ST181024M2-8 PFC CS5 18J1709	24-Oct-18	12:33:13
10	10 181024M2_10	ST181024M2-9 PFC CS6 18J1710	24-Oct-18	12:43:46
11	11 181024M2_11	ST181024M2-10 PFC CS7 18J1711	24-Oct-18	12:54:24
12	12 181024M2_12	IPA	24-Oct-18	13:04:56
13	13 181024M2_13	ICV181024M2-1 PFC ICV 18J2201	24-Oct-18	13:15:35
14	14 181024M2_14	IPA	24-Oct-18	13:26:08
15	15 181024M2_15	IPA	24-Oct-18	13:36:47
16	16 181024M2_16	IPA	24-Oct-18	13:47:20
17	17 181024M2_17	IPA	24-Oct-18	13:57:58
18	18 181024M2_18	IPA	24-Oct-18	14:08:31
19	19 181024M2_19	1803344-04 REEPEF448 0.11801	24-Oct-18	14:20:31
20	20 181024M2_20	1803344-11 REEPAR450 0.11995	24-Oct-18	14:31:03
21	21 181024M2_21	1803344-12 REEPAC450 0.11927	24-Oct-18	14:41:41
22	22 181024M2_22	1803344-13 REEPEF451 0.11832	24-Oct-18	14:52:14
23	23 181024M2_23	1803344-14 REEPAR451 0.11408	24-Oct-18	15:02:53
24	24 181024M2_24	1803344-15 REEPAR679 0.11862	24-Oct-18	15:13:25
25	25 181024M2_25	1803344-16 REEPAC451 0.11773	24-Oct-18	15:24:04
26	26 181024M2_26	1803344-17 REEPIN451 0.11978	24-Oct-18	15:34:36
27	27 181024M2_27	B8J0159-BS1 OPR 0.125	24-Oct-18	15:45:14
28	28 181024M2_28	B8J0159-MS1 Matrix Spike 0.11953	24-Oct-18	15:55:47
29	29 181024M2_29	B8J0159-MSD1 Matrix Spike Dup 0.12338	24-Oct-18	16:06:26
30	30 181024M2_30	B8J0159-BLK1 Method Blank 0.125	24-Oct-18	16:17:04
31	31 181024M2_31	1803345-01 REEPEF455 0.12539	24-Oct-18	16:27:37
32	32 181024M2_32	1803345-02 REEPAR455 0.12372	24-Oct-18	16:38:16

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 08:57:34 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:57:38 Pacific Daylight Time

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
33	33 181024M2_33	IPA	24-Oct-18	16:48:49
34	34 181024M2_34	ST181024M2-11 PFC CS3 18J1707	24-Oct-18	16:59:28
35	35 181024M2_35	1803345-03 REEPAC455 0.12345	24-Oct-18	17:10:01
36	36 181024M2_36	1803345-04 REEPEF457 0.1243	24-Oct-18	17:20:39
37	37 181024M2_37	1803345-05 REEPAR457 0.1223	24-Oct-18	17:31:12
38	38 181024M2_38	1803345-06 REEPAC457 0.12272	24-Oct-18	17:41:50
39	39 181024M2_39	1803345-07 REEPEF459 0.12166	24-Oct-18	17:52:24
40	40 181024M2_40	1803345-08 REEPAR459 0.12421	24-Oct-18	18:03:02
41	41 181024M2_41	1803345-09 REEPAC459 0.12071	24-Oct-18	18:13:35
42	42 181024M2_42	1803345-10 REEPEF456 0.11124	24-Oct-18	18:24:13
43	43 181024M2_43	1803345-11 REEPAR456 0.11379	24-Oct-18	18:34:46
44	44 181024M2_44	1803345-12 REEPAC456 0.12467	24-Oct-18	18:45:24
45	45 181024M2_45	1803345-13 REEPAC681 0.11772 ^(A)	24-Oct-18	18:55:57
46	46 181024M2_46	IPA	24-Oct-18	19:06:36
47	47 181024M2_47	ST181024M2-12 PFC CS3 18J1707	24-Oct-18	19:17:09
48	48 181024M2_48	1803345-13 REEPAC681 0.11772	24-Oct-18	19:27:47
49	49 181024M2_49	1803345-14 REEPEF458 0.12066	24-Oct-18	19:38:20
50	50 181024M2_50	1803345-15 REEPAR458 0.11926	24-Oct-18	19:48:58
51	51 181024M2_51	1803345-16 REEPAC458 0.12002	24-Oct-18	19:59:31
52	52 181024M2_52	1803345-17 REEPEF682 0.11756	24-Oct-18	20:10:09
53	53 181024M2_53	B8J0158-BS1 OPR 0.125	24-Oct-18	20:20:43
54	54 181024M2_54	B8J0158-BSD1 LCSD 0.125	24-Oct-18	20:31:21
55	55 181024M2_55	B8J0158-BLK1 Method Blank 0.125	24-Oct-18	20:41:55
56	56 181024M2_56	1803342-01 OF-INF01-101618 0.1232	24-Oct-18	20:52:32
57	57 181024M2_57	1803342-02 OF-SAC01-101618 0.11484	24-Oct-18	21:03:05
58	58 181024M2_58	1803342-03 OF-MID01-101618 0.1104	24-Oct-18	21:13:44
59	59 181024M2_59	1803342-04 OF-EFF01-101618 0.11812	24-Oct-18	21:24:17
60	60 181024M2_60	1803342-05 OF-FBSAC01-101618 0.12094	24-Oct-18	21:34:55
61	61 181024M2_61	IPA	24-Oct-18	21:45:28
62	62 181024M2_62	ST181024M2-13 PFC CS3 18J1707	24-Oct-18	21:56:06
63	63 181024M2_63	ST181024M2-14 PFC CS0 18J1704	24-Oct-18	22:06:40

(A) Invalid. Over 10 samples.

Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

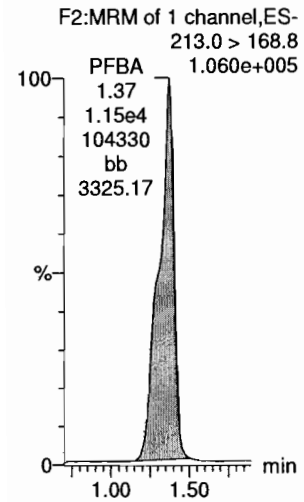
Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

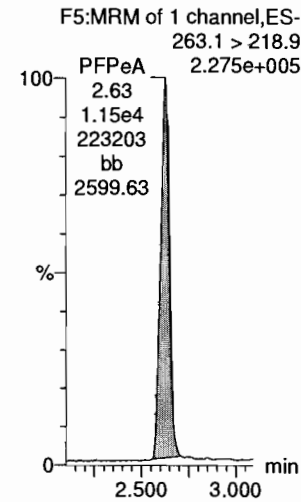
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

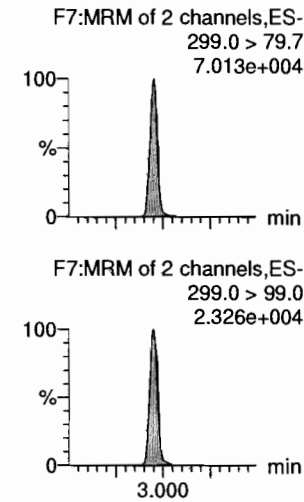
PFBA



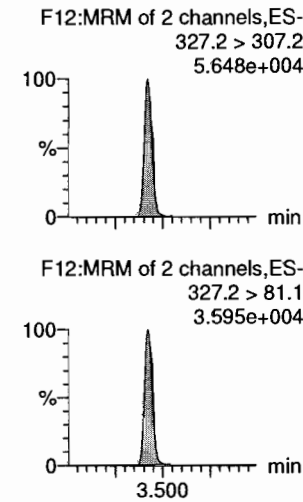
PFPeA



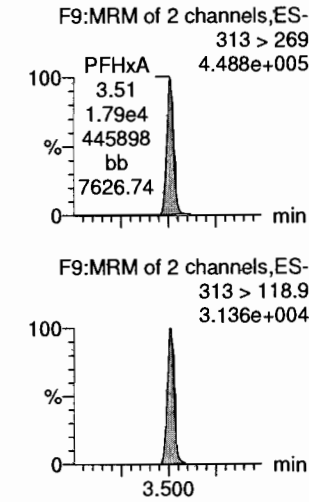
PFBS



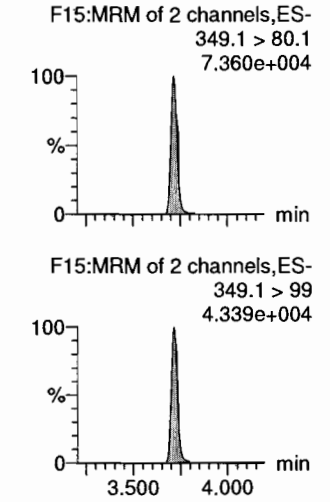
4:2 FTS



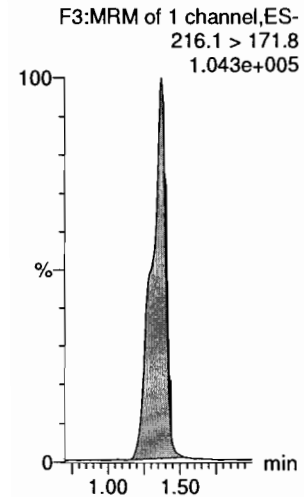
PFHxA



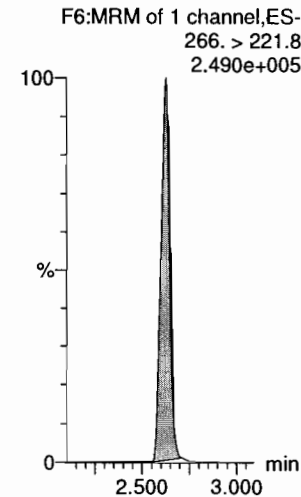
PFPeS



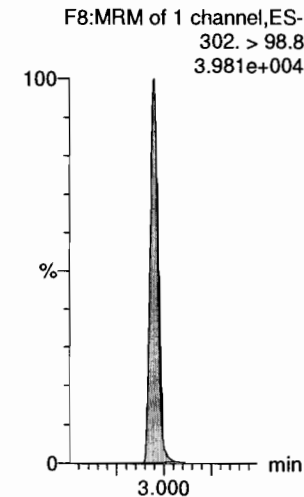
13C3-PFBA



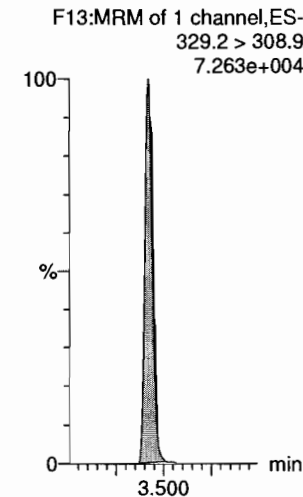
13C3-PFPeA



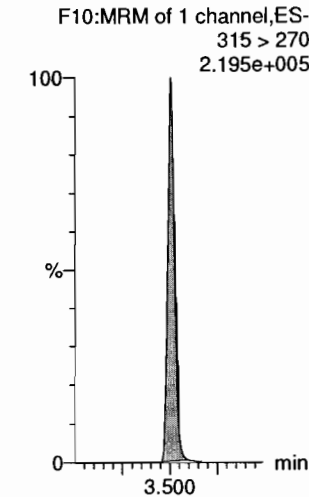
13C3-PFBS



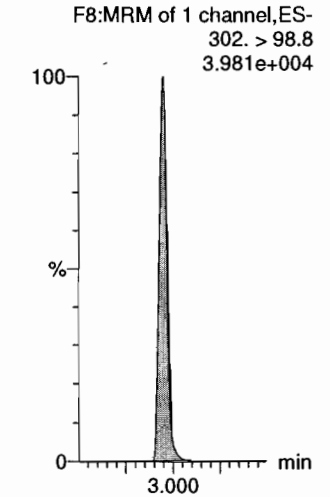
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS

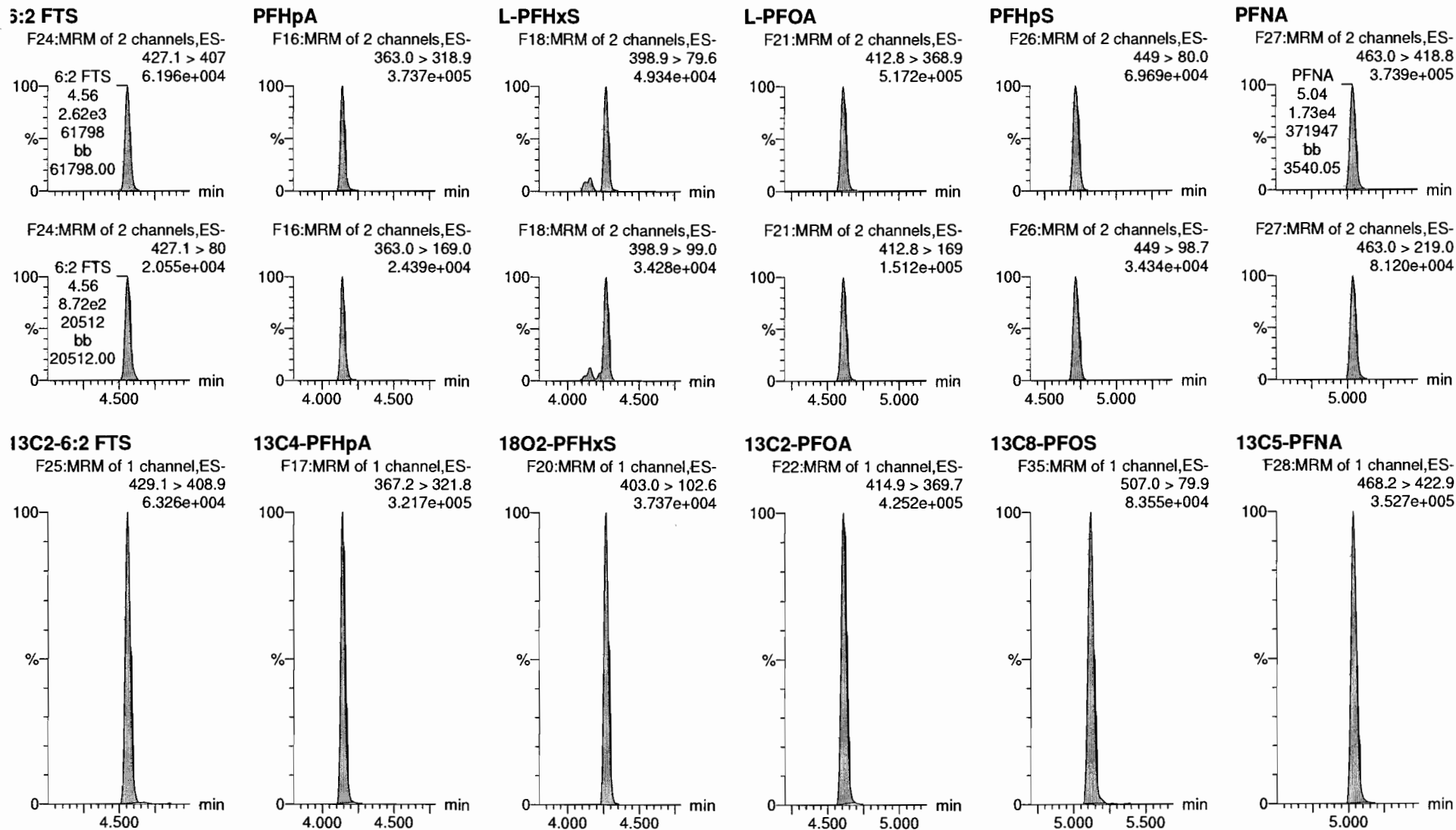


Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

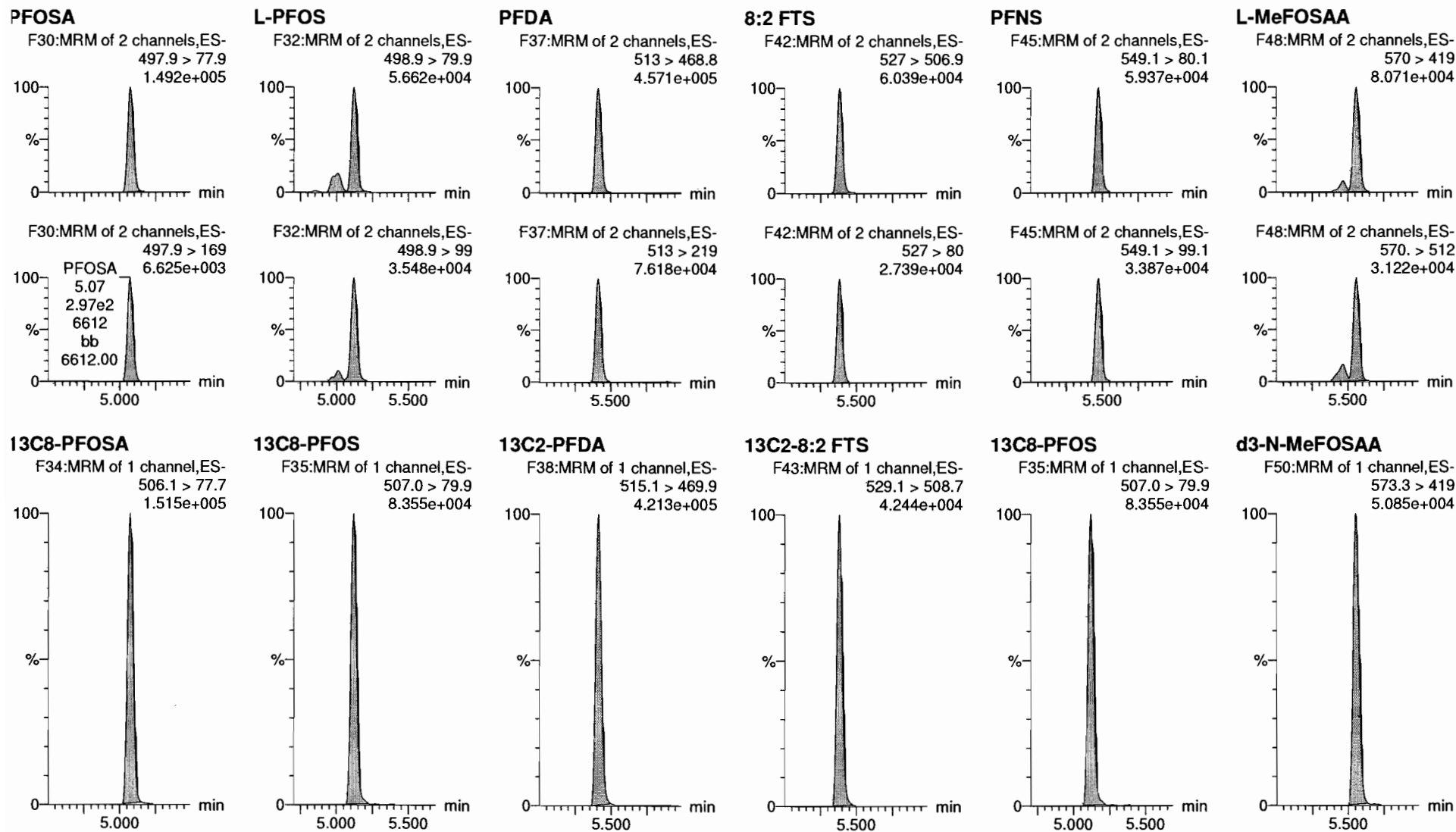


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Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

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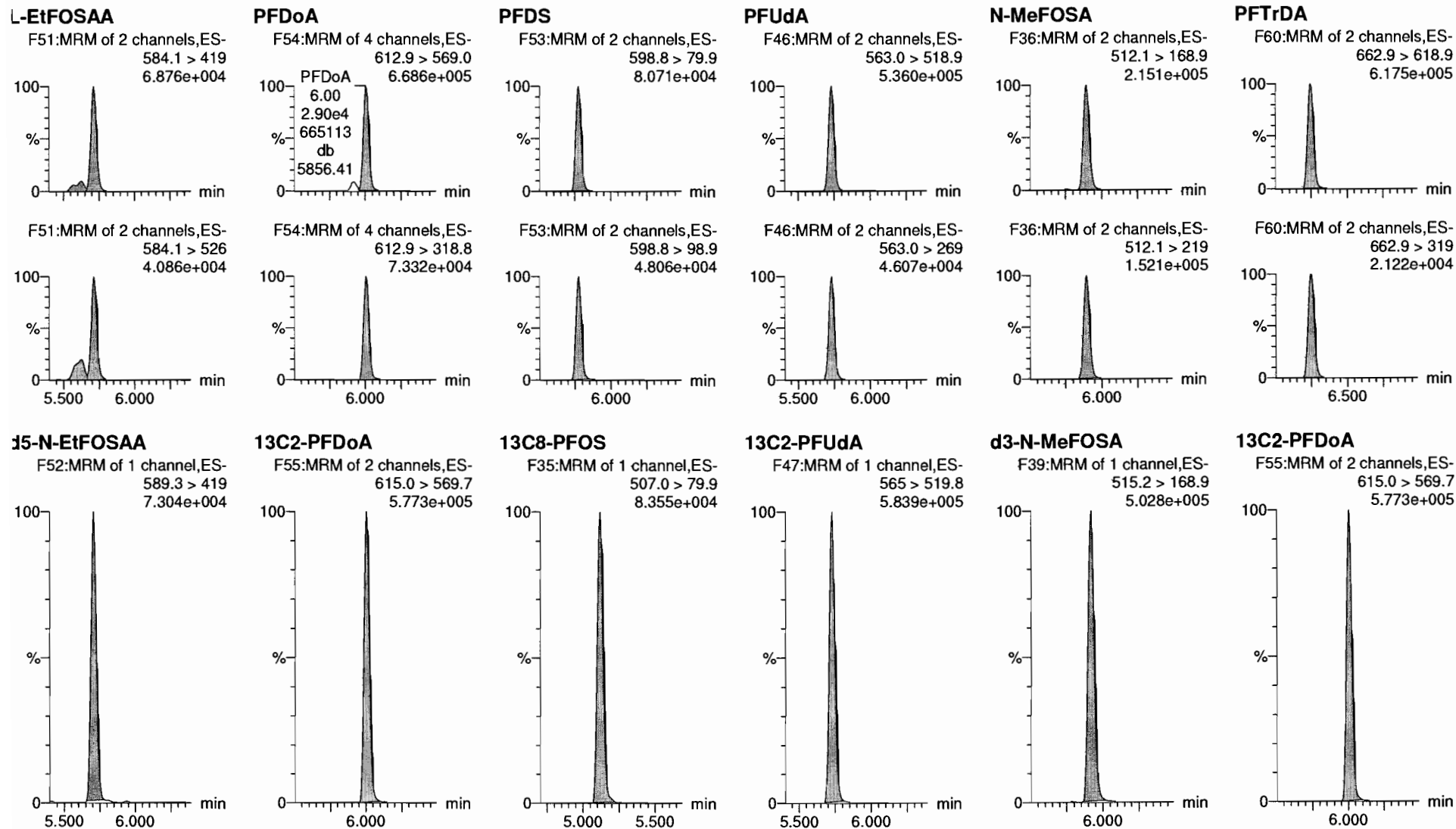


Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707

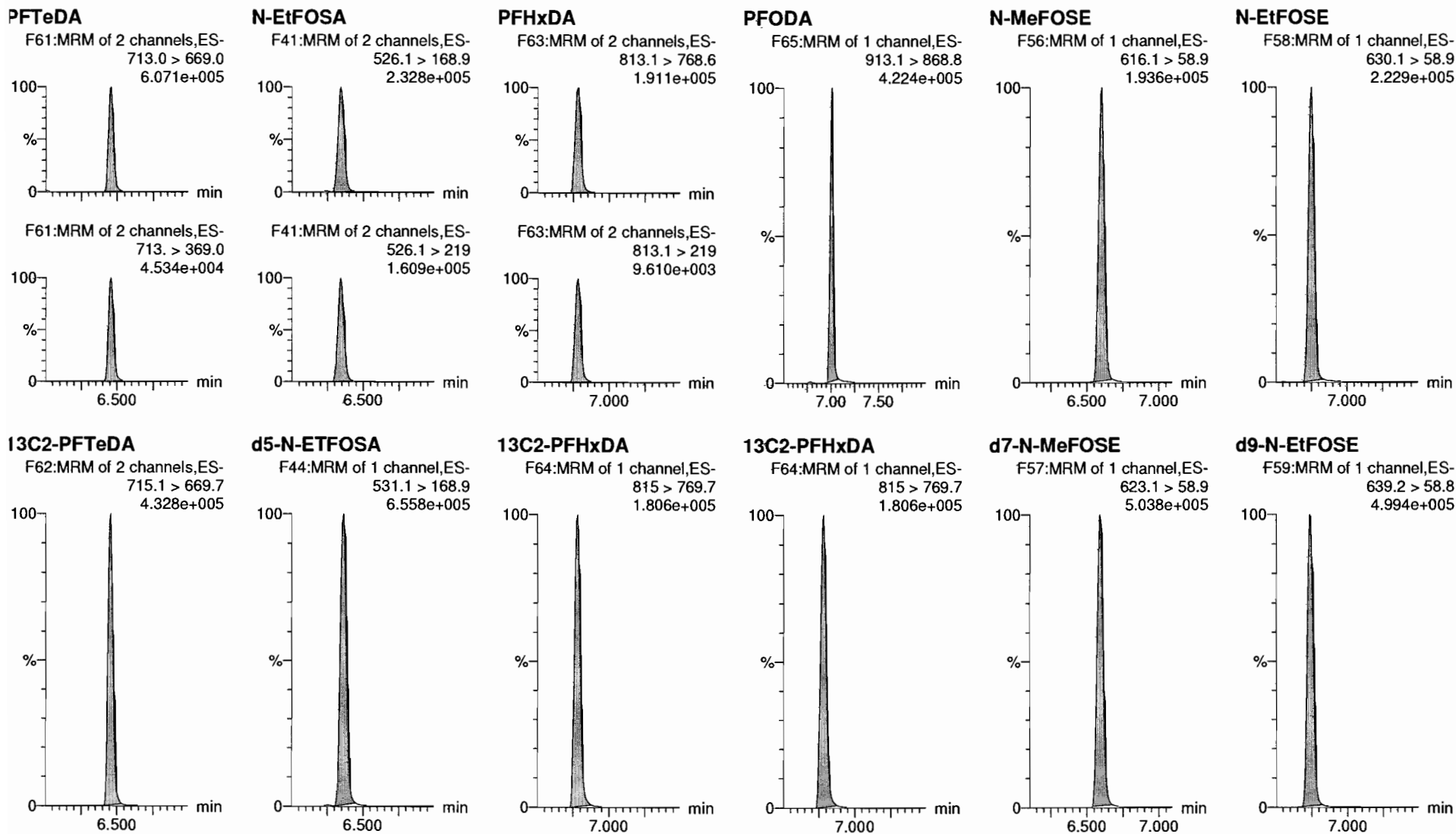


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Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

Name: 181024M2_62, Date: 24-Oct-2018, Time: 21:56:06, ID: ST181024M2-13 PFC CS3 18J1707, Description: PFC CS3 18J1707



Dataset: Z:\Projects\PFAS.PRO\Results\101024M2\181024M2-62.qld

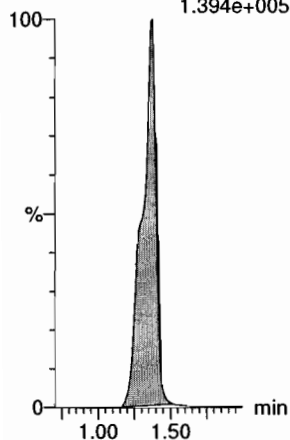
Last Altered: Thursday, October 25, 2018 08:47:50 Pacific Daylight Time

Printed: Thursday, October 25, 2018 08:48:21 Pacific Daylight Time

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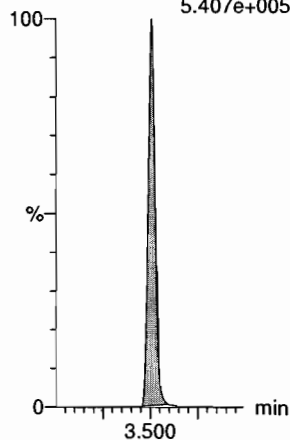
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.394e+005



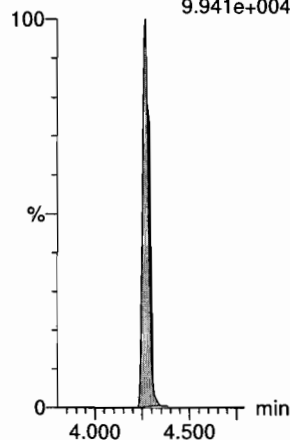
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.407e+005



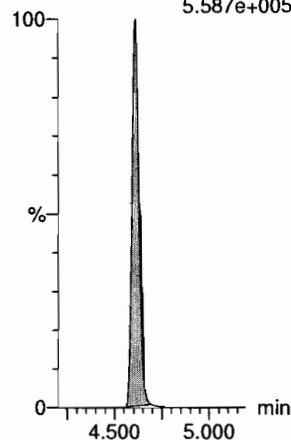
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
9.941e+004



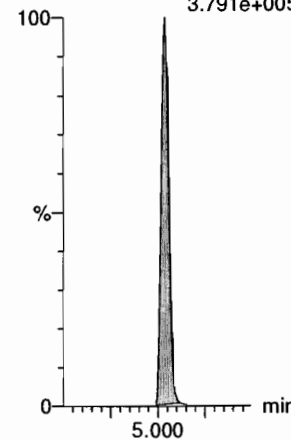
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
5.587e+005



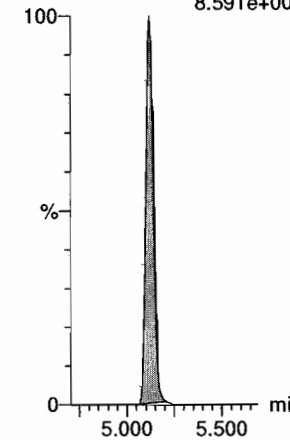
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.791e+005



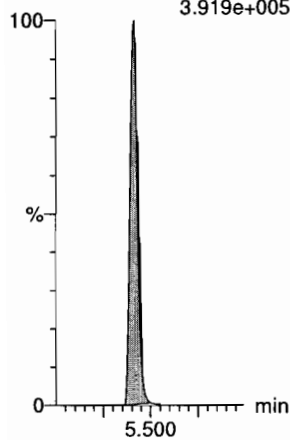
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.591e+004



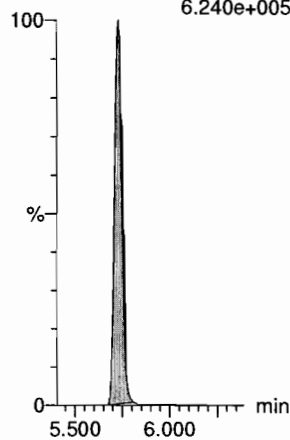
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.919e+005



13C7-PFUDA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.240e+005



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-IIS AREAS.qld

Last Altered: Thursday, October 25, 2018 13:47:45 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:48:50 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_RS-10-23-18.mdb 24 Oct 2018 10:12:29

Calibration: 25 Oct 2018 13:47:45

Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181025M1-1 PFC CS0 18J1704	1.65e4	100.0	NO
2	2 13C5-PFHxA	ST181025M1-1 PFC CS0 18J1704	2.31e4	100.0	NO
3	3 13C3-PFHxS	ST181025M1-1 PFC CS0 18J1704	4.09e3	100.0	NO
4	4 13C8-PFOA	ST181025M1-1 PFC CS0 18J1704	2.59e4	100.0	NO
5	5 13C9-PFNA	ST181025M1-1 PFC CS0 18J1704	1.77e4	100.0	NO
6	6 13C4-PFOS	ST181025M1-1 PFC CS0 18J1704	4.15e3	100.0	NO
7	7 13C6-PFDA	ST181025M1-1 PFC CS0 18J1704	1.87e4	100.0	NO
8	8 13C7-PFUDa	ST181025M1-1 PFC CS0 18J1704	2.78e4	100.0	NO

Name: 181025M1_3, Date: 25-Oct-2018, Time: 09:19:35, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	1.20e4	72.7	NO
2	2 13C5-PFHxA	IPA	1.65e4	71.3	NO
3	3 13C3-PFHxS	IPA	3.88e3	95.0	NO
4	4 13C8-PFOA	IPA	1.63e4	62.9	NO
5	5 13C9-PFNA	IPA	1.09e4	61.7	NO
6	6 13C4-PFOS	IPA	4.00e3	96.4	NO
7	7 13C6-PFDA	IPA	1.24e4	66.2	NO
8	8 13C7-PFUDa	IPA	1.93e4	69.7	NO

Name: 181025M1_4, Date: 25-Oct-2018, Time: 09:30:11, ID: 1803344-12 REEPAC450 0.11927, Description: REEPAC450

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-12 REEPAC450 0.11927	8.87e3	53.9	NO
2	2 13C5-PFHxA	1803344-12 REEPAC450 0.11927	1.08e4	46.5	YES
3	3 13C3-PFHxS	1803344-12 REEPAC450 0.11927	3.69e3	90.3	NO
4	4 13C8-PFOA	1803344-12 REEPAC450 0.11927	9.67e3	37.3	YES
5	5 13C9-PFNA	1803344-12 REEPAC450 0.11927	6.68e3	37.6	YES
6	6 13C4-PFOS	1803344-12 REEPAC450 0.11927	3.88e3	93.5	NO
7	7 13C6-PFDA	1803344-12 REEPAC450 0.11927	7.29e3	39.0	YES
8	8 13C7-PFUDa	1803344-12 REEPAC450 0.11927	1.22e4	44.0	YES

Name: 181025M1_5, Date: 25-Oct-2018, Time: 09:40:47, ID: 1803345-14 REEPEF458 0.12066, Description: REEPEF458

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803345-14 REEPEF458 0.12066	9.22e3	56.0	NO
2	2 13C5-PFHxA	1803345-14 REEPEF458 0.12066	1.25e4	54.0	NO
3	3 13C3-PFHxS	1803345-14 REEPEF458 0.12066	3.39e3	82.9	NO
4	4 13C8-PFOA	1803345-14 REEPEF458 0.12066	1.16e4	44.8	YES
5	5 13C9-PFNA	1803345-14 REEPEF458 0.12066	7.68e3	43.3	YES
6	6 13C4-PFOS	1803345-14 REEPEF458 0.12066	3.37e3	81.2	NO
7	7 13C6-PFDA	1803345-14 REEPEF458 0.12066	7.89e3	42.2	YES
8	8 13C7-PFUDa	1803345-14 REEPEF458 0.12066	1.37e4	49.4	YES

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-IIS AREAS.qld

Last Altered: Thursday, October 25, 2018 13:47:45 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:48:50 Pacific Daylight Time

Name: 181025M1_6, Date: 25-Oct-2018, Time: 09:51:21, ID: 1803339-01 OC-RW13-1018 0.1218, Description: OC-RW13-1018

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803339-01 OC-RW13-1018 0.1218	9.60e3	58.2	NO
2	2 13C5-PFHxA	1803339-01 OC-RW13-1018 0.1218	1.51e4	65.2	NO
3	3 13C3-PFHxS	1803339-01 OC-RW13-1018 0.1218	3.11e3	76.0	NO
4	4 13C8-PFOA	1803339-01 OC-RW13-1018 0.1218	1.89e4	72.8	NO
5	5 13C9-PFNA	1803339-01 OC-RW13-1018 0.1218	1.23e4	69.2	NO
6	6 13C4-PFOS	1803339-01 OC-RW13-1018 0.1218	3.06e3	73.7	NO
7	7 13C6-PFDA	1803339-01 OC-RW13-1018 0.1218	1.32e4	70.5	NO
8	8 13C7-PFUdA	1803339-01 OC-RW13-1018 0.1218	2.11e4	76.0	NO

Name: 181025M1_7, Date: 25-Oct-2018, Time: 10:03:49, ID: 1803344-14 REEPAR451 0.11408, Description: REEPAR451

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803344-14 REEPAR451 0.11408	6.13e3	37.2	YES
2	2 13C5-PFHxA	1803344-14 REEPAR451 0.11408	5.03e3	21.7	YES
3	3 13C3-PFHxS	1803344-14 REEPAR451 0.11408	4.04e3	98.7	NO
4	4 13C8-PFOA	1803344-14 REEPAR451 0.11408	5.88e3	22.7	YES
5	5 13C9-PFNA	1803344-14 REEPAR451 0.11408	4.43e3	25.0	YES
6	6 13C4-PFOS	1803344-14 REEPAR451 0.11408	4.40e3	106.0	NO
7	7 13C6-PFDA	1803344-14 REEPAR451 0.11408	5.38e3	28.7	YES
8	8 13C7-PFUdA	1803344-14 REEPAR451 0.11408	9.20e3	33.1	YES

Name: 181025M1_8, Date: 25-Oct-2018, Time: 10:14:23, ID: B8J0101-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0101-BS1 OPR 0.125	1.22e4	73.9	NO
2	2 13C5-PFHxA	B8J0101-BS1 OPR 0.125	1.81e4	78.2	NO
3	3 13C3-PFHxS	B8J0101-BS1 OPR 0.125	3.05e3	74.5	NO
4	4 13C8-PFOA	B8J0101-BS1 OPR 0.125	2.04e4	78.6	NO
5	5 13C9-PFNA	B8J0101-BS1 OPR 0.125	1.34e4	75.8	NO
6	6 13C4-PFOS	B8J0101-BS1 OPR 0.125	3.12e3	75.1	NO
7	7 13C6-PFDA	B8J0101-BS1 OPR 0.125	1.40e4	74.6	NO
8	8 13C7-PFUdA	B8J0101-BS1 OPR 0.125	2.18e4	78.4	NO

Name: 181025M1_9, Date: 25-Oct-2018, Time: 10:25:01, ID: 1803339-02 OC-FB13-1018 0.12463, Description: OC-FB13-1018

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803339-02 OC-FB13-1018 0.12463	9.31e3	56.5	NO
2	2 13C5-PFHxA	1803339-02 OC-FB13-1018 0.12463	1.68e4	72.5	NO
3	3 13C3-PFHxS	1803339-02 OC-FB13-1018 0.12463	3.32e3	81.1	NO
4	4 13C8-PFOA	1803339-02 OC-FB13-1018 0.12463	2.12e4	81.8	NO
5	5 13C9-PFNA	1803339-02 OC-FB13-1018 0.12463	1.42e4	79.8	NO
6	6 13C4-PFOS	1803339-02 OC-FB13-1018 0.12463	3.68e3	88.7	NO
7	7 13C6-PFDA	1803339-02 OC-FB13-1018 0.12463	1.59e4	85.0	NO
8	8 13C7-PFUdA	1803339-02 OC-FB13-1018 0.12463	2.43e4	87.4	NO

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Name: 181025M1_10, Date: 25-Oct-2018, Time: 10:35:34, ID: B8J0165-BLK1 Method Blank 0.125, Description: Method Blank

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BLK1 Method Blank 0.125	9.66e3	58.6	NO
2	2 13C5-PFHxA	B8J0165-BLK1 Method Blank 0.125	1.44e4	62.2	NO
3	3 13C3-PFHxS	B8J0165-BLK1 Method Blank 0.125	2.53e3	61.8	NO
4	4 13C8-PFOA	B8J0165-BLK1 Method Blank 0.125	1.71e4	65.9	NO
5	5 13C9-PFNA	B8J0165-BLK1 Method Blank 0.125	1.06e4	59.6	NO
6	6 13C4-PFOS	B8J0165-BLK1 Method Blank 0.125	2.54e3	61.2	NO
7	7 13C6-PFDA	B8J0165-BLK1 Method Blank 0.125	1.14e4	60.7	NO
8	8 13C7-PFUdA	B8J0165-BLK1 Method Blank 0.125	1.76e4	63.5	NO

Name: 181025M1_11, Date: 25-Oct-2018, Time: 10:46:12, ID: B8J0165-BS1 OPR 0.125, Description: OPR

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BS1 OPR 0.125	9.51e3	57.7	NO
2	2 13C5-PFHxA	B8J0165-BS1 OPR 0.125	1.40e4	60.5	NO
3	3 13C3-PFHxS	B8J0165-BS1 OPR 0.125	2.51e3	61.4	NO
4	4 13C8-PFOA	B8J0165-BS1 OPR 0.125	1.65e4	63.6	NO
5	5 13C9-PFNA	B8J0165-BS1 OPR 0.125	1.06e4	59.7	NO
6	6 13C4-PFOS	B8J0165-BS1 OPR 0.125	2.81e3	67.7	NO
7	7 13C6-PFDA	B8J0165-BS1 OPR 0.125	1.11e4	59.2	NO
8	8 13C7-PFUdA	B8J0165-BS1 OPR 0.125	1.70e4	61.3	NO

Name: 181025M1_12, Date: 25-Oct-2018, Time: 11:09:25, ID: B8J0165-BSD1 LCSD 0.125, Description: LCSD

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B8J0165-BSD1 LCSD 0.125	1.13e4	68.4	NO
2	2 13C5-PFHxA	B8J0165-BSD1 LCSD 0.125	1.68e4	72.4	NO
3	3 13C3-PFHxS	B8J0165-BSD1 LCSD 0.125	2.94e3	71.9	NO
4	4 13C8-PFOA	B8J0165-BSD1 LCSD 0.125	2.07e4	80.0	NO
5	5 13C9-PFNA	B8J0165-BSD1 LCSD 0.125	1.44e4	81.1	NO
6	6 13C4-PFOS	B8J0165-BSD1 LCSD 0.125	3.15e3	75.9	NO
7	7 13C6-PFDA	B8J0165-BSD1 LCSD 0.125	1.72e4	91.7	NO
8	8 13C7-PFUdA	B8J0165-BSD1 LCSD 0.125	2.38e4	85.6	NO

Name: 181025M1_13, Date: 25-Oct-2018, Time: 11:20:00, ID: 1803360-01 REEPEF467 0.11952, Description: REEPEF467

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803360-01 REEPEF467 0.11952	1.20e4	72.8	NO
2	2 13C5-PFHxA	1803360-01 REEPEF467 0.11952	1.74e4	75.0	NO
3	3 13C3-PFHxS	1803360-01 REEPEF467 0.11952	3.02e3	73.8	NO
4	4 13C8-PFOA	1803360-01 REEPEF467 0.11952	2.03e4	78.4	NO
5	5 13C9-PFNA	1803360-01 REEPEF467 0.11952	1.38e4	77.5	NO
6	6 13C4-PFOS	1803360-01 REEPEF467 0.11952	3.27e3	78.9	NO
7	7 13C6-PFDA	1803360-01 REEPEF467 0.11952	1.41e4	75.2	NO
8	8 13C7-PFUdA	1803360-01 REEPEF467 0.11952	2.18e4	78.4	NO

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Name: 181025M1_14, Date: 25-Oct-2018, Time: 11:30:38, ID: 1803360-02 REEPAR467 0.12632, Description: REEPAR467

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1803360-02 REEPAR467 0.12632	9.24e3	56.1	NO
2	2	13C5-PFHxA	1803360-02 REEPAR467 0.12632	1.33e4	57.7	NO
3	3	13C3-PFHxS	1803360-02 REEPAR467 0.12632	2.58e3	63.2	NO
4	4	13C8-PFOA	1803360-02 REEPAR467 0.12632	1.47e4	56.7	NO
5	5	13C9-PFNA	1803360-02 REEPAR467 0.12632	1.03e4	58.0	NO
6	6	13C4-PFOS	1803360-02 REEPAR467 0.12632	2.87e3	69.3	NO
7	7	13C6-PFDA	1803360-02 REEPAR467 0.12632	1.04e4	55.5	NO
8	8	13C7-PFUdA	1803360-02 REEPAR467 0.12632	1.62e4	58.5	NO

Name: 181025M1_15, Date: 25-Oct-2018, Time: 11:41:11, ID: 1803360-03 REEPAC467 0.12299, Description: REEPAC467

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1803360-03 REEPAC467 0.12299	1.09e4	66.3	NO
2	2	13C5-PFHxA	1803360-03 REEPAC467 0.12299	1.57e4	67.9	NO
3	3	13C3-PFHxS	1803360-03 REEPAC467 0.12299	3.00e3	73.3	NO
4	4	13C8-PFOA	1803360-03 REEPAC467 0.12299	1.80e4	69.5	NO
5	5	13C9-PFNA	1803360-03 REEPAC467 0.12299	1.15e4	65.0	NO
6	6	13C4-PFOS	1803360-03 REEPAC467 0.12299	3.01e3	72.4	NO
7	7	13C6-PFDA	1803360-03 REEPAC467 0.12299	1.22e4	65.1	NO
8	8	13C7-PFUdA	1803360-03 REEPAC467 0.12299	1.84e4	66.2	NO

Name: 181025M1_16, Date: 25-Oct-2018, Time: 11:51:49, ID: 1803360-04 REEPEF469 0.11816, Description: REEPEF469

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1803360-04 REEPEF469 0.11816	1.07e4	64.7	NO
2	2	13C5-PFHxA	1803360-04 REEPEF469 0.11816	1.56e4	67.2	NO
3	3	13C3-PFHxS	1803360-04 REEPEF469 0.11816	2.65e3	64.8	NO
4	4	13C8-PFOA	1803360-04 REEPEF469 0.11816	1.81e4	70.0	NO
5	5	13C9-PFNA	1803360-04 REEPEF469 0.11816	1.22e4	68.7	NO
6	6	13C4-PFOS	1803360-04 REEPEF469 0.11816	2.95e3	71.0	NO
7	7	13C6-PFDA	1803360-04 REEPEF469 0.11816	1.28e4	68.2	NO
8	8	13C7-PFUdA	1803360-04 REEPEF469 0.11816	1.92e4	69.1	NO

Name: 181025M1_17, Date: 25-Oct-2018, Time: 12:02:22, ID: 1803360-05 REEPAR469 0.11995, Description: REEPAR469

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1803360-05 REEPAR469 0.11995	1.03e4	62.3	NO
2	2	13C5-PFHxA	1803360-05 REEPAR469 0.11995	1.51e4	65.4	NO
3	3	13C3-PFHxS	1803360-05 REEPAR469 0.11995	2.81e3	68.8	NO
4	4	13C8-PFOA	1803360-05 REEPAR469 0.11995	1.70e4	65.7	NO
5	5	13C9-PFNA	1803360-05 REEPAR469 0.11995	1.15e4	65.0	NO
6	6	13C4-PFOS	1803360-05 REEPAR469 0.11995	2.93e3	70.7	NO
7	7	13C6-PFDA	1803360-05 REEPAR469 0.11995	1.22e4	65.2	NO
8	8	13C7-PFUdA	1803360-05 REEPAR469 0.11995	1.81e4	65.1	NO

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Name: 181025M1_18, Date: 25-Oct-2018, Time: 12:13:01, ID: 1803360-06 REEPAC469 0.1234, Description: REEPAC469

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1803360-06 REEPAC469 0.1234	9.15e3	55.6	NO
2	2 13C5-PFHxA	1803360-06 REEPAC469 0.1234	1.37e4	59.3	NO
3	3 13C3-PFHxS	1803360-06 REEPAC469 0.1234	2.84e3	69.5	NO
4	4 13C8-PFOA	1803360-06 REEPAC469 0.1234	1.65e4	63.7	NO
5	5 13C9-PFNA	1803360-06 REEPAC469 0.1234	1.07e4	60.3	NO
6	6 13C4-PFOS	1803360-06 REEPAC469 0.1234	2.93e3	70.5	NO
7	7 13C6-PFDA	1803360-06 REEPAC469 0.1234	1.13e4	60.5	NO
8	8 13C7-PFUdA	1803360-06 REEPAC469 0.1234	1.71e4	61.5	NO

Name: 181025M1_19, Date: 25-Oct-2018, Time: 12:23:40, ID: IPA, Description: IPA

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUdA	IPA			NO

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST181025M1-2 PFC CS3 18J1707	1.56e4	94.5	NO
2	2 13C5-PFHxA	ST181025M1-2 PFC CS3 18J1707	2.20e4	95.1	NO
3	3 13C3-PFHxS	ST181025M1-2 PFC CS3 18J1707	3.88e3	94.8	NO
4	4 13C8-PFOA	ST181025M1-2 PFC CS3 18J1707	2.57e4	99.0	NO
5	5 13C9-PFNA	ST181025M1-2 PFC CS3 18J1707	1.60e4	90.3	NO
6	6 13C4-PFOS	ST181025M1-2 PFC CS3 18J1707	4.05e3	97.7	NO
7	7 13C6-PFDA	ST181025M1-2 PFC CS3 18J1707	1.73e4	92.2	NO
8	8 13C7-PFUdA	ST181025M1-2 PFC CS3 18J1707	2.52e4	90.6	NO

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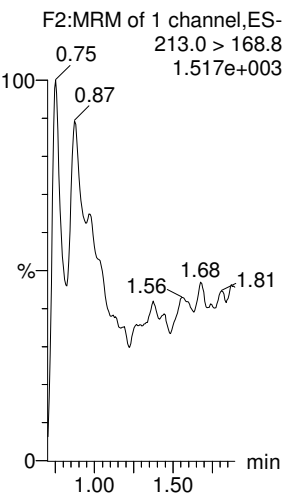
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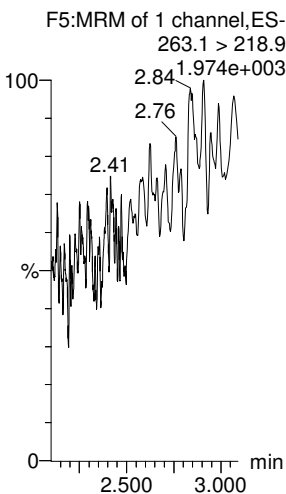
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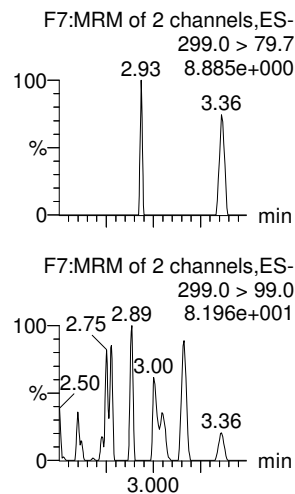
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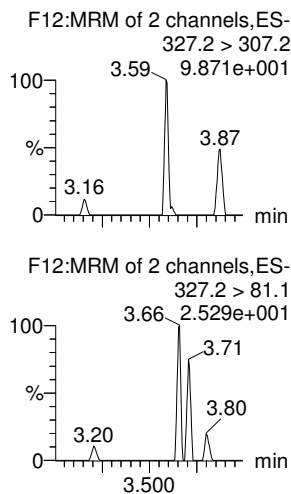
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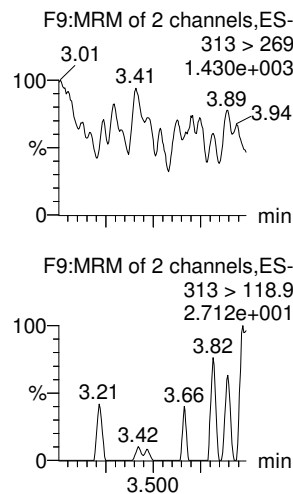
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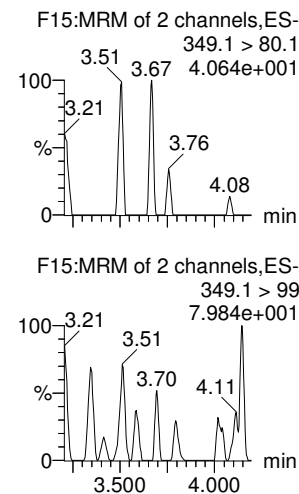
4:2 FTS



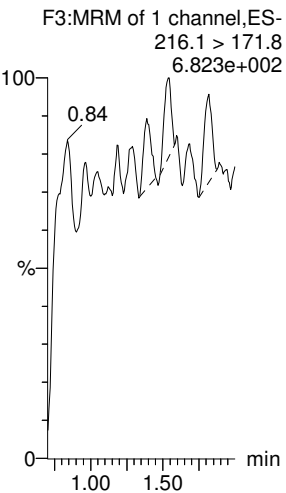
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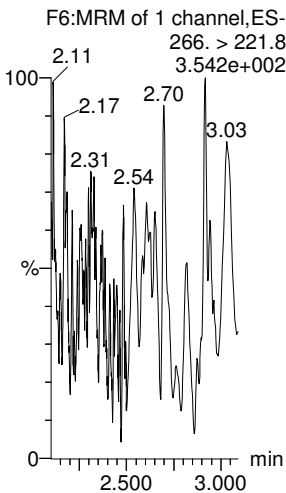
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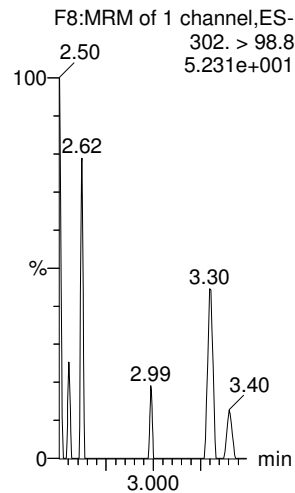
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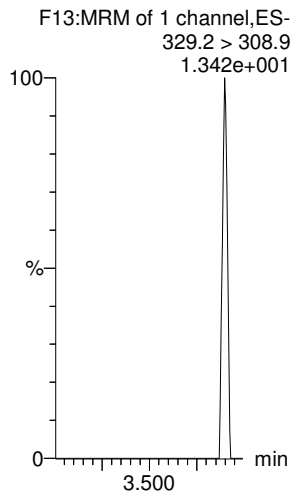
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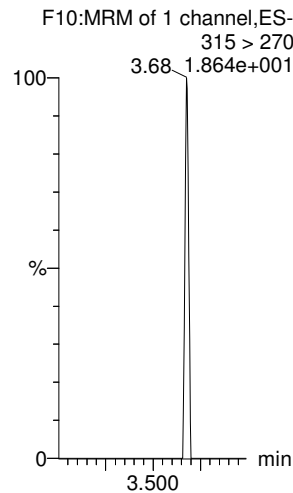
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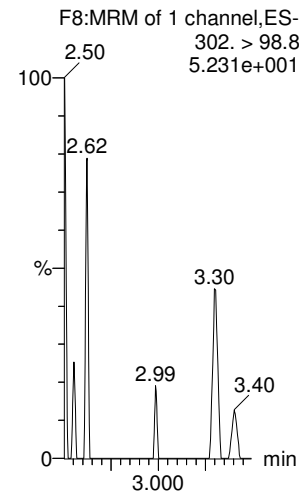
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13C2-PFHxA



13C3-PFBS



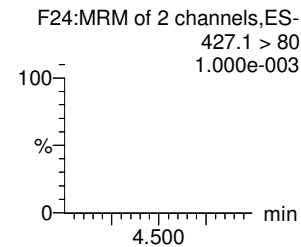
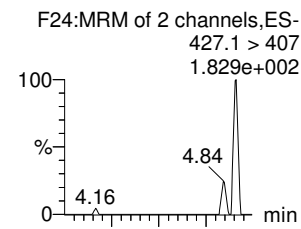
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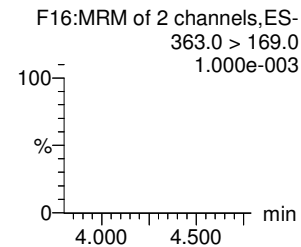
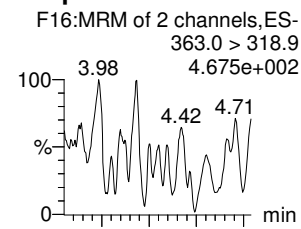
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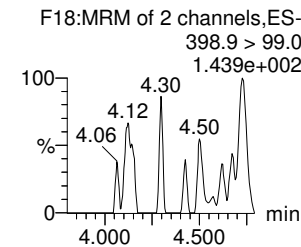
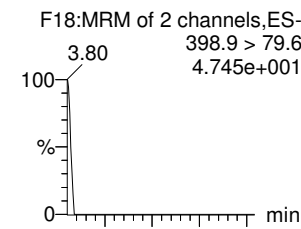
6:2 FTS



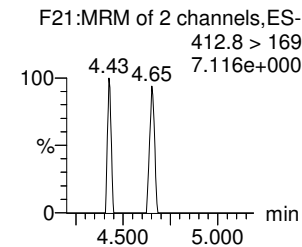
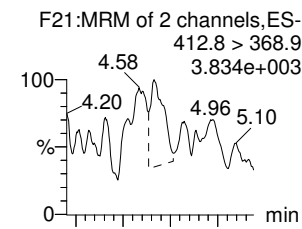
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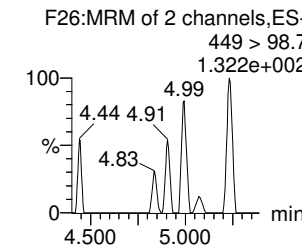
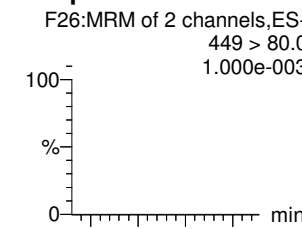
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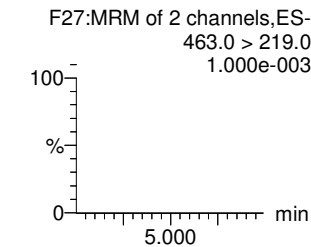
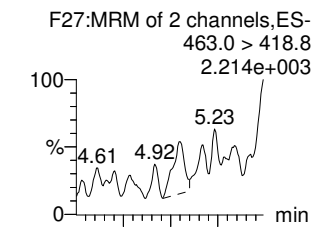
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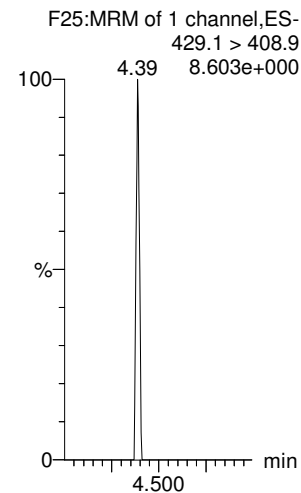
PFHpS



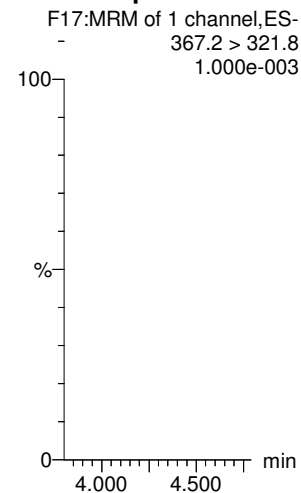
PFNA



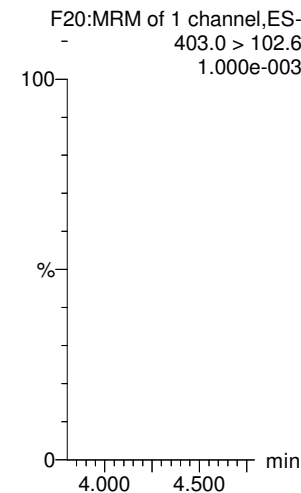
13C2-6:2 FTS



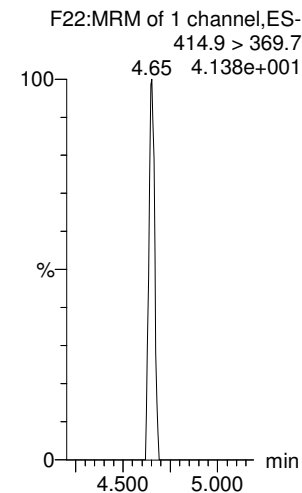
13C4-PFHpa



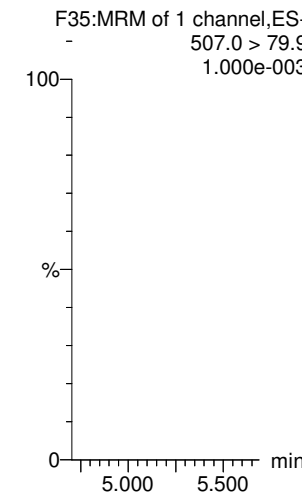
18O2-PFHxS



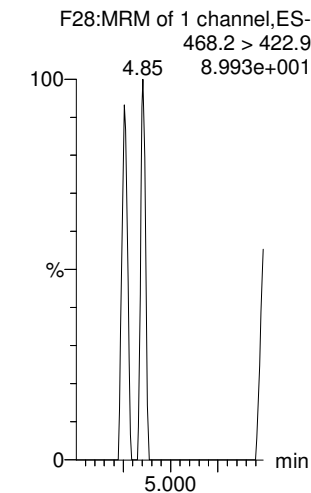
13C2-PFOA



13C8-PFOS



13C5-PFNA



Dataset: Untitled

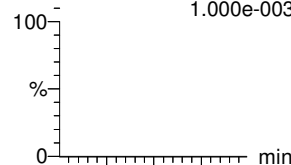
Last Altered: Thursday, October 25, 2018 14:01:04 Pacific Daylight Time

Printed: Thursday, October 25, 2018 14:01:09 Pacific Daylight Time

Name: 181025M1_1, Date: 25-Oct-2018, Time: 08:58:24, ID: IPA, Description: IPA

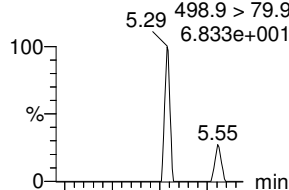
PFOSA

F30:MRM of 2 channels,ES-
497.9 > 77.9
1.000e-003



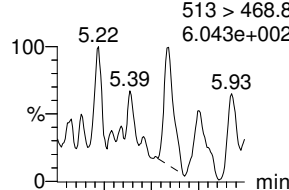
L-PFOS

F32:MRM of 2 channels,ES-
498.9 > 79.9
6.833e+001



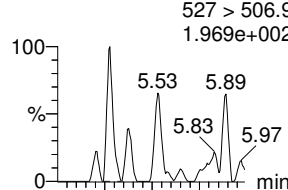
PFDA

F37:MRM of 2 channels,ES-
513 > 468.8
6.043e+002



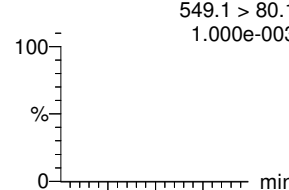
8:2 FTS

F42:MRM of 2 channels,ES-
527 > 506.9
1.969e+002



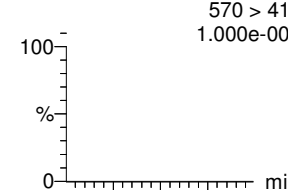
PFNS

F45:MRM of 2 channels,ES-
549.1 > 80.1
1.000e-003

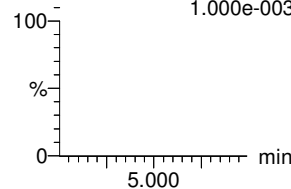


L-MeFOSAA

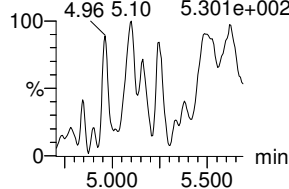
F48:MRM of 2 channels,ES-
570 > 419
1.000e-003



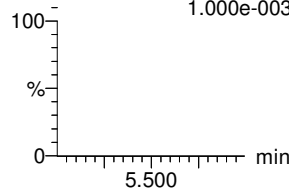
F30:MRM of 2 channels,ES-
497.9 > 169
1.000e-003



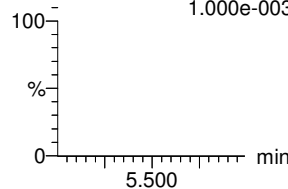
F32:MRM of 2 channels,ES-
498.9 > 99
5.301e+002



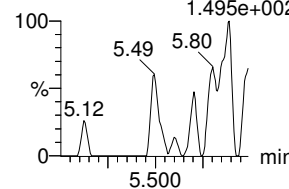
F37:MRM of 2 channels,ES-
513 > 219
1.000e-003



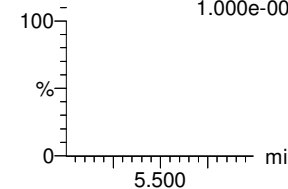
F42:MRM of 2 channels,ES-
527 > 80
1.000e-003



F45:MRM of 2 channels,ES-
549.1 > 99.1
1.495e+002

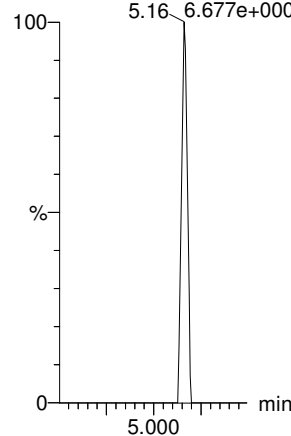


F48:MRM of 2 channels,ES-
570. > 512
1.000e-003



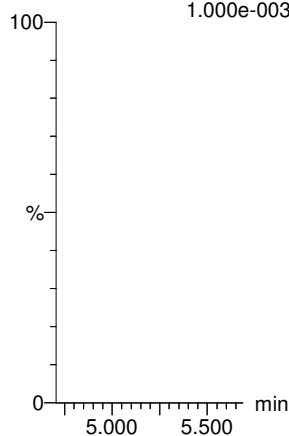
13C8-PFOSA

F34:MRM of 1 channel,ES-
506.1 > 77.7
6.677e+000



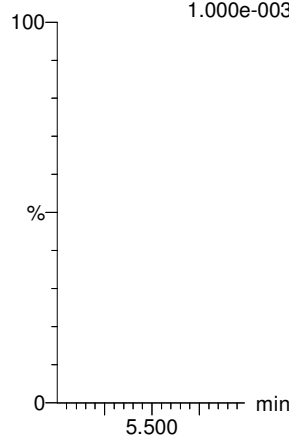
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
1.000e-003



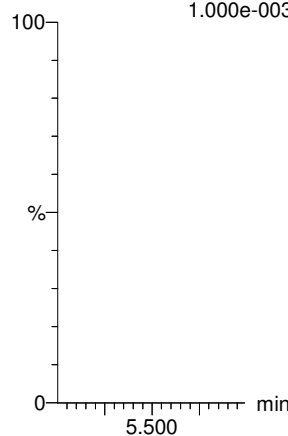
13C2-PFDA

F38:MRM of 1 channel,ES-
515.1 > 469.9
1.000e-003



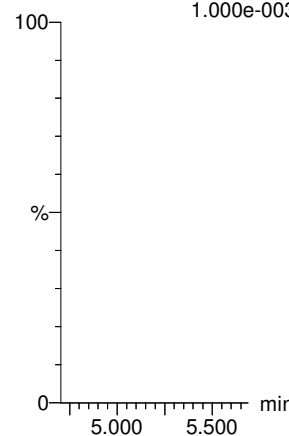
13C2-8:2 FTS

F43:MRM of 1 channel,ES-
529.1 > 508.7
1.000e-003



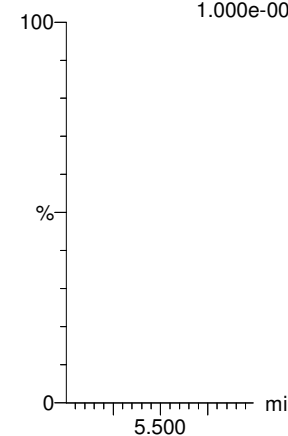
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
1.000e-003



d3-N-MeFOSAA

F50:MRM of 1 channel,ES-
573.3 > 419
1.000e-003



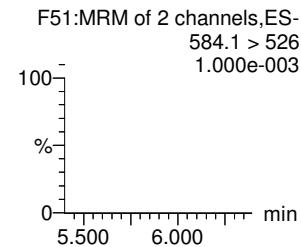
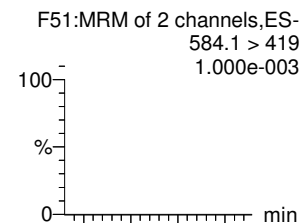
Dataset: Untitled

Last Altered: Thursday, October 25, 2018 14:01:04 Pacific Daylight Time

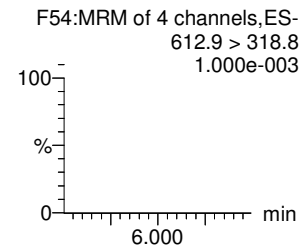
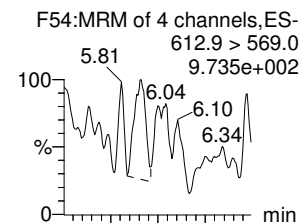
Printed: Thursday, October 25, 2018 14:01:09 Pacific Daylight Time

Name: 181025M1_1, Date: 25-Oct-2018, Time: 08:58:24, ID: IPA, Description: IPA

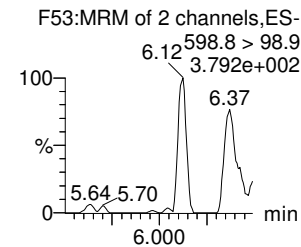
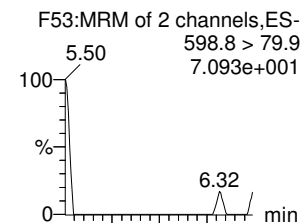
L-EtFOSAA



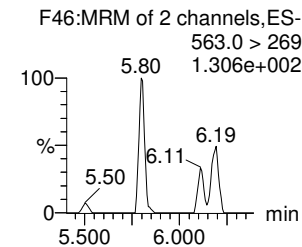
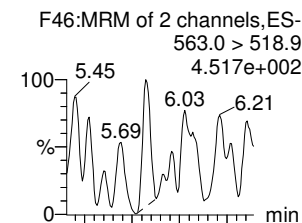
PFDoA



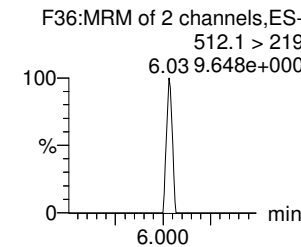
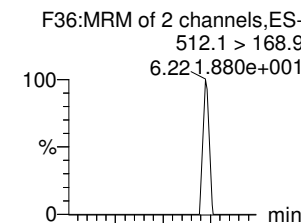
PFDS



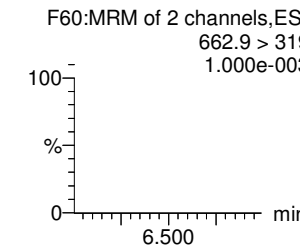
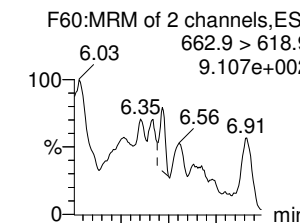
PFUdA



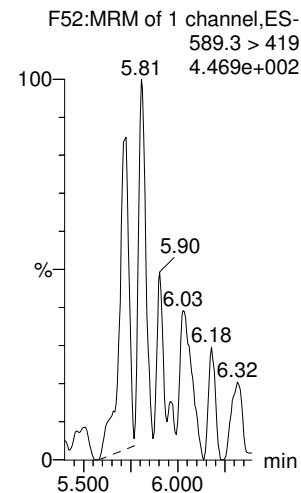
N-MeFOSA



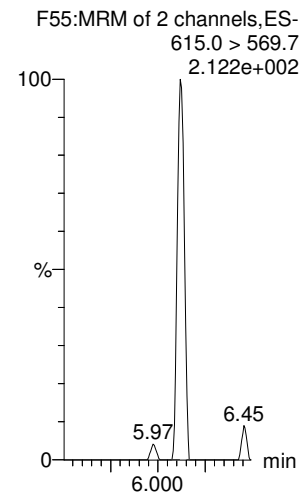
PFTrDA



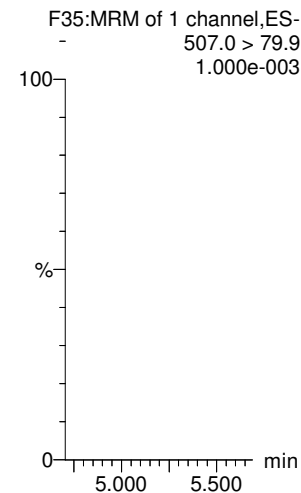
d5-N-EtFOSAA



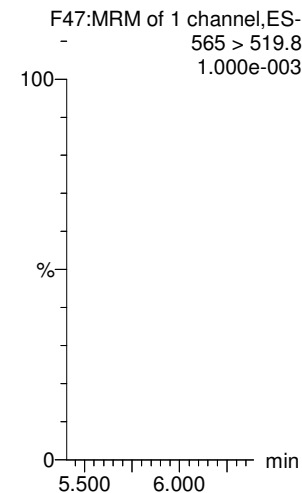
13C2-PFDoA



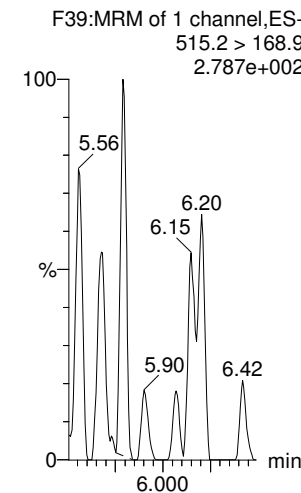
13C8-PFOS



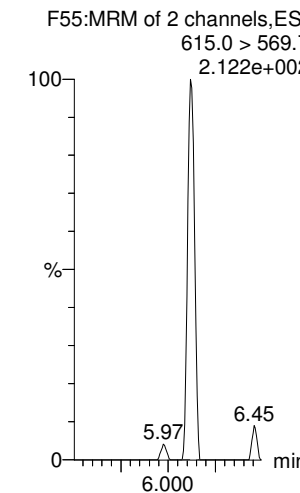
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



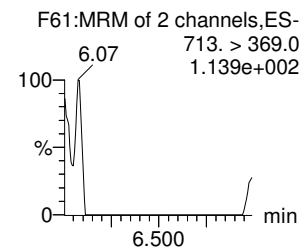
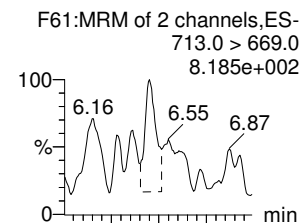
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Last Altered: Thursday, October 25, 2018 14:01:04 Pacific Daylight Time

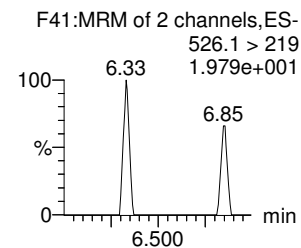
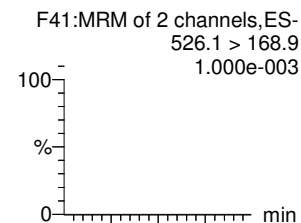
Printed: Thursday, October 25, 2018 14:01:09 Pacific Daylight Time

Name: 181025M1_1, Date: 25-Oct-2018, Time: 08:58:24, ID: IPA, Description: IPA

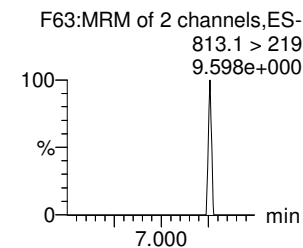
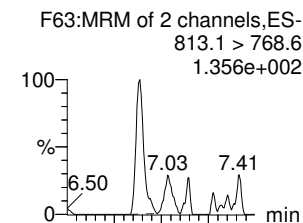
PFTeDA



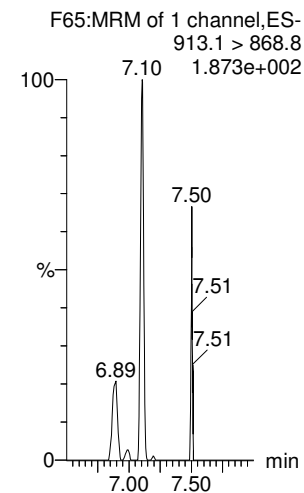
N-EtFOSA



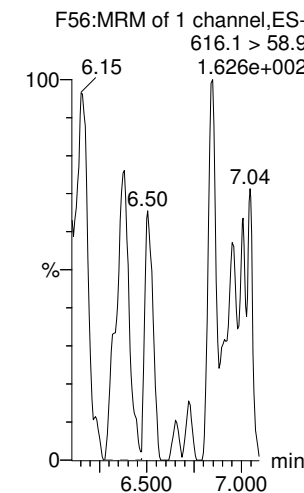
PFHxDA



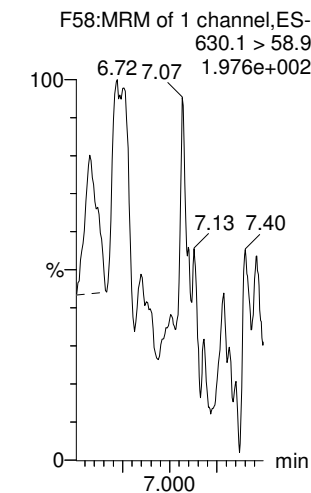
PFODA



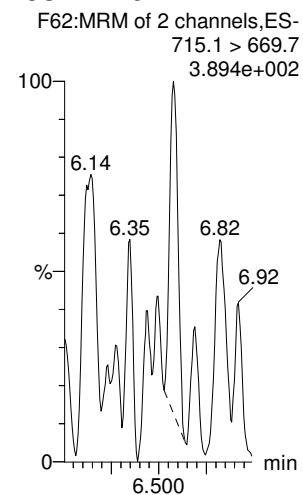
N-MeFOSE



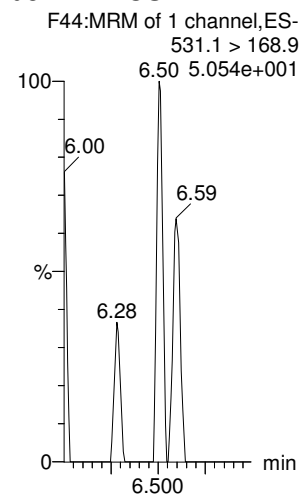
N-EtFOSE



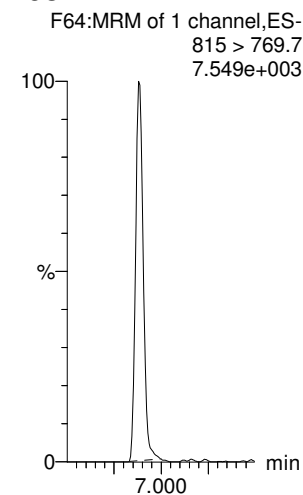
13C2-PFTeDA



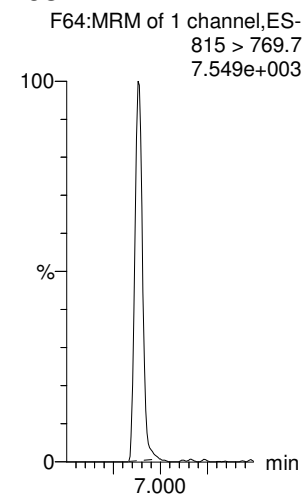
d5-N-ETFOSA



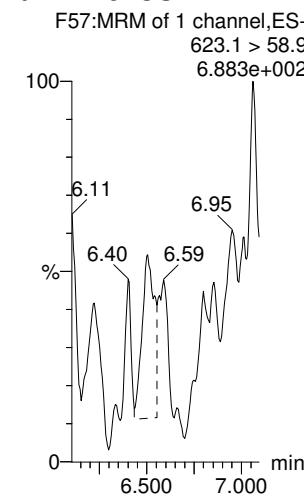
13C2-PFHxDA



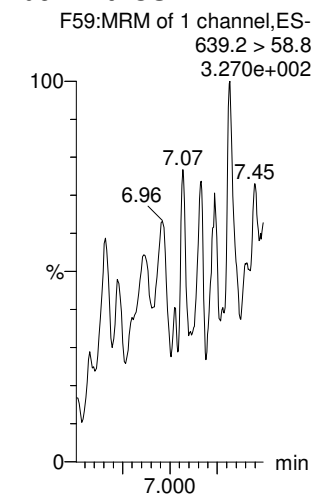
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

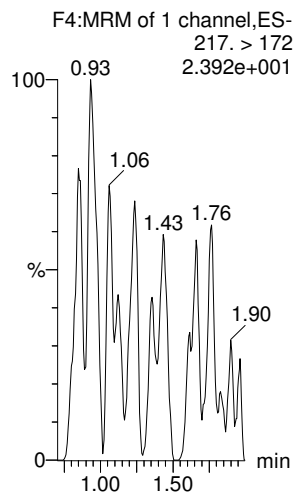


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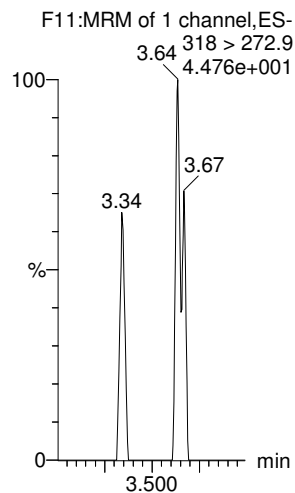
Last Altered: Thursday, October 25, 2018 14:01:04 Pacific Daylight Time
Printed: Thursday, October 25, 2018 14:01:09 Pacific Daylight Time

Name: 181025M1_1, Date: 25-Oct-2018, Time: 08:58:24, ID: IPA, Description: IPA

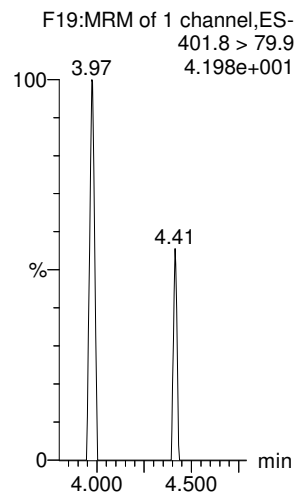
13C4-PFBA



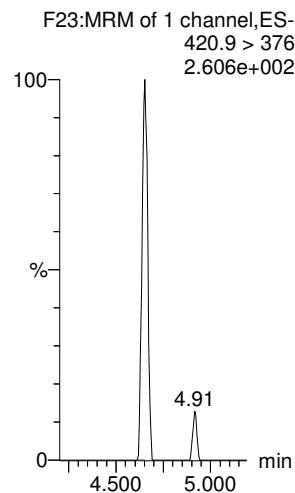
13C5-PFHxA



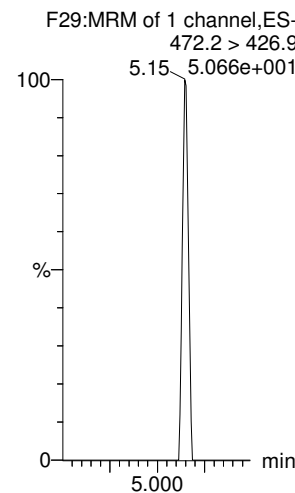
13C3-PFHxS



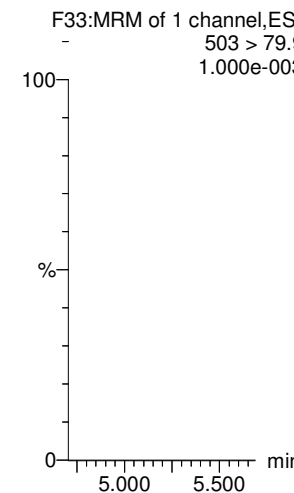
13C8-PFOA



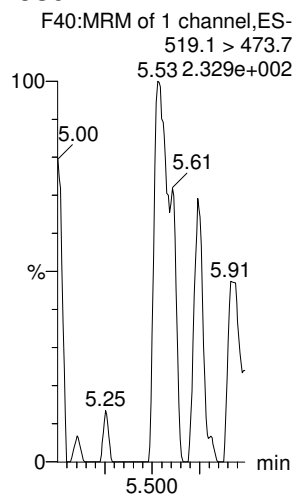
13C9-PFNA



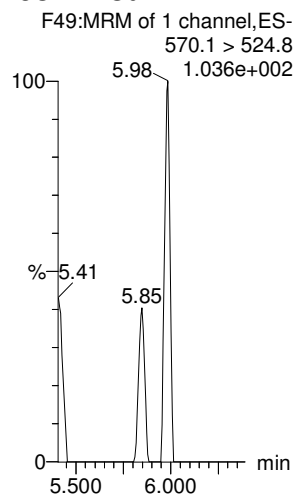
13C4-PFOS



13C6-PFDA



13C7-PFUdA



LC Calibration Standards Review Checklist Q4

Calibration ID:	ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	<u>NA</u>
<u>ST181025M1-1</u> (L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (A)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>R-2</u> (L) M H	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (B)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ L M H	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Full Mass Cal. Date: 10/23/18

Run Log Present:

of Samples per Sequence Checked:

Instrument Blank Saved:

IIS Area Saved:

Reviewed By: DM 10/25/18
Initials/Date

Comments:

(A) d3-MeFOSAA > 150%
 (B) d3-MeFOSAA, d5-ETFOSAA > 150%

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:18:57 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.667	NO
4	4:2 FTS	1.522	NO
5	PFHxA	14.476	NO
6	PFPeS	1.630	NO
7	PFHpA	16.228	NO
8	L-PFHxS	1.461	NO
9	6:2 FTS	3.301	NO
10	L-PFOA	3.282	NO
11	PFHpS	1.770	NO
12	PFNA	4.402	NO
13	PFOSA	26.252	NO
14	L-PFOS	1.973	NO
15	PFDA	5.454	NO
16	8:2 FTS	2.149	NO
17	PFNS	1.660	NO
18	L-MeFOSAA	2.494	NO
19	L-EtFOSAA	1.328	NO

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:21:03 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

	Name	Ion Ratio	Ratio out?
1	PFUdA	9.987	NO
2	PFDS	1.693	NO
3	PFDoA	9.425	NO
4	N-MeFOSA	1.403	NO
5	PFTTrDA	26.405	NO
6	PFTeDA	12.304	NO
7	N-EtFOSA	1.498	NO
8	PFHxDA	18.595	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

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Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	1421.387	12346.032	1.00	1.52	1.439	1.0	104.8	NO		
2	2 PFPeA	263.1 > 218.9	1371.232	14367.752	1.00	2.77	1.193	1.0	100.6	NO		
3	3 PFBS	299.0 > 79.7	364.871	2117.175	1.00	3.09	2.154	1.0	101.8	NO	2.760	NO
4	4 4:2 FTS	327.2>307.2	307.572	3686.281	1.00	3.55	1.043	0.9	92.8	NO	1.648	NO
5	5 PFHxA	313 > 269	2051.756	9411.955	1.00	3.64	1.090	1.0	102.2	NO	13.978	NO
6	6 PFPeS	349.1>80.1	324.529	2117.175	1.00	3.84	1.916	1.0	100.0	NO	1.874	NO
7	36 13C3-PFBA	216.1 > 171.8	12346.032	16473.715	1.00	1.52	9.368	12.7	101.4	NO		
8	37 13C3-PFPeA	266. > 221.8	14367.752	23137.303	1.00	2.77	7.762	13.2	105.8	NO		
9	38 13C3-PFBS	302. > 98.8	2117.175	4088.920	1.00	3.09	6.472	13.2	106.0	NO		
10	39 13C2-4:2 FTS	329.2>308.9	3686.281	4088.920	1.00	3.55	11.269	12.6	100.9	NO		
11	40 13C2-PFHxA	315 > 270	9411.955	23137.303	1.00	3.64	5.085	5.1	101.5	NO		
12	38 13C3-PFBS	302. > 98.8	2117.175	4088.920	1.00	3.09	6.472	13.2	106.0	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	270.482	3272.171	1.00	4.68	1.033	0.8	80.4	NO	2.796	NO
15	7 PFHpA	363.0 > 318.9	1497.826	11699.810	1.00	4.26	1.600	1.0	97.5	NO	21.991	NO
16	8 L-PFHxS	398.9 > 79.6	259.993	1680.735	1.00	4.39	1.934	1.0	99.1	NO	1.491	NO
17	11 L-PFOA	412.8 > 368.9	2610.649	18689.479	1.00	4.73	1.746	1.0	102.0	NO	3.091	NO
18	13 PFHpS	449 > 80.0	332.314	4297.965	1.00	4.83	0.966	1.0	100.5	NO	1.645	NO
19	14 PFNA	463.0 > 418.8	1943.174	16903.145	1.00	5.16	1.437	1.0	100.2	NO	4.745	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	3272.171	4149.456	1.00	4.67	9.857	11.7	93.2	NO		
21	41 13C4-PFHpA	367.2 > 321.8	11699.810	23137.303	1.00	4.26	6.321	12.3	98.6	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1680.735	4088.920	1.00	4.39	5.138	13.0	103.7	NO		
23	44 13C2-PFOA	414.9 > 369.7	18689.479	25905.473	1.00	4.73	9.018	12.5	100.2	NO		
24	47 13C8-PFOS	507.0 > 79.9	4297.965	4149.456	1.00	5.24	12.947	12.7	101.2	NO		
25	45 13C5-PFNA	468.2 > 422.9	16903.145	17738.658	1.00	5.16	11.911	12.3	98.4	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	758.172	7319.028	1.00	5.19	1.295	1.0	103.0	NO	68.065	YES
28	16 L-PFOS	498.9 > 79.9	464.899	4297.965	1.00	5.23	1.352	1.2	116.4	NO	2.288	NO
29	18 PFDA	513 > 468.8	2360.981	19970.422	1.00	5.53	1.478	1.0	104.4	NO	5.762	NO
30	19 8:2 FTS	527 > 506.9	315.198	2099.536	1.00	5.50	1.877	1.1	111.6	NO	2.085	NO
31	20 PFNS	549.1 > 80.1	309.475	4297.965	1.00	5.59	0.900	1.1	106.6	NO	1.629	NO
32	21 L-MeFOSAA	570 > 419	492.806	2638.030	1.00	5.68	2.335	1.0	100.8	NO	2.230	NO
33	46 13C8-PFOSA	506.1 > 77.7	7319.028	27760.119	1.00	5.19	3.296	11.2	89.2	NO		
34	47 13C8-PFOS	507.0 > 79.9	4297.965	4149.456	1.00	5.24	12.947	12.7	101.2	NO		
35	48 13C2-PFDA	515.1 > 469.9	19970.422	18715.604	1.00	5.53	13.338	12.8	102.6	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	2099.536	4149.456	1.00	5.50	6.325	10.7	85.6	NO		

*MBF
10/25/18*

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

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(A) Above Criteria Limit

Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	4297.965	4149.456	1.00	5.24	12.947	12.7	101.2	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	2638.030	27760.119	1.00	5.67	1.188	21.7	173.2	YES (A)		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	414.100	3437.424	1.00	5.83	1.506	1.1	110.5	NO	1.445	NO
41	27 PFDoA	612.9 > 569.0	3742.233	25076.779	1.00	6.11	1.865	1.2	117.1	NO	7.929	NO
42	26 PFDS	598.8 > 79.9	428.187	4297.965	1.00	5.89	1.245	1.1	109.9	NO	1.694	NO
43	25 PFUdA	563.0 > 518.9	2817.452	28386.824	1.00	5.84	1.241	1.0	102.4	NO	14.218	NO
44	28 N-MeFOSA	512.1 > 168.9	1144.123	24595.693	1.00	6.04	6.978	5.4	107.7	NO	1.539	NO
45	29 PFTrDA	662.9 > 618.9	3344.915	25076.779	1.00	6.35	1.667	1.1	110.4	NO	26.689	NO
46	52 d5-N-EtFOSAA	589.3 > 419	3437.424	27760.119	1.00	5.82	1.548	17.0	135.9	NO		
47	53 13C2-PFDoA	615.0 > 569.7	25076.779	18715.604	1.00	6.12	16.749	15.2	121.5	NO		
48	47 13C8-PFOS	507.0 > 79.9	4297.965	4149.456	1.00	5.24	12.947	12.7	101.2	NO		
49	51 13C2-PFUdA	565 > 519.8	28386.824	27760.119	1.00	5.84	12.782	13.3	106.4	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	24595.693	27760.119	1.00	6.07	11.075	145.7	97.1	NO		
51	53 13C2-PFDoA	615.0 > 569.7	25076.779	18715.604	1.00	6.12	16.749	15.2	121.5	NO		
52	-1											
53	30 PFTeDA	713.0 > 669.0	2722.173	16923.818	1.00	6.56	2.011	1.0	104.3	NO	10.314	NO
54	31 N-EtFOSA	526.1 > 168.9	1170.506	31042.729	1.00	6.49	5.656	5.2	104.9	NO	1.662	NO
55	32 PFHxDA	813.1 > 768.6	760.501	7653.578	1.00	6.88	0.497	0.9	90.6	NO	14.405	NO
56	33 PFODA	913.1 > 868.8	1534.504	7653.578	1.00	7.10	1.002	1.0	101.3	NO		
57	34 N-MeFOSE	616.1 > 58.9	918.243	25364.102	1.00	6.72	5.430	4.6	91.6	NO		
58	35 N-EtFOSE	630.1 > 58.9	1159.761	24113.164	1.00	6.86	7.214	5.1	102.5	NO		
59	55 13C2-PFTeDA	715.1 > 669.7	16923.818	27760.119	1.00	6.56	7.621	13.6	108.7	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	31042.729	27760.119	1.00	6.50	13.978	139.0	92.7	NO		
61	57 13C2-PFHxDA	815 > 769.7	7653.578	27760.119	1.00	6.88	3.446	4.9	98.6	NO		
62	57 13C2-PFHxDA	815 > 769.7	7653.578	27760.119	1.00	6.88	3.446	4.9	98.6	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	25364.102	27760.119	1.00	6.71	11.421	122.8	81.9	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	24113.164	27760.119	1.00	6.85	10.858	128.3	85.5	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	16473.715	16473.715	1.00	1.52	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	23137.303	23137.303	1.00	3.64	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	4088.920	4088.920	1.00	4.39	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	25905.473	25905.473	1.00	4.73	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	17738.658	17738.658	1.00	5.16	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	4149.456	4149.456	1.00	5.24	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	18715.604	18715.604	1.00	5.53	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

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Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	27760.119	27760.119	1.00	5.84	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 13:43:41 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:45:03 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181025M1_1	IPA	25-Oct-18	08:58:24
2	2 181025M1_2	ST181025M1-1 PFC CS0 18J1704	25-Oct-18	09:08:57
3	3 181025M1_3	IPA	25-Oct-18	09:19:35
4	4 181025M1_4	1803344-12 REEPAC450 0.11927	25-Oct-18	09:30:11
5	5 181025M1_5	1803345-14 REEPEF458 0.12066	25-Oct-18	09:40:47
6	6 181025M1_6	1803339-01 OC-RW13-1018 0.1218	25-Oct-18	09:51:21
7	7 181025M1_7	1803344-14 REEPAR451 0.11408	25-Oct-18	10:03:49
8	8 181025M1_8	B8J0101-BS1 OPR 0.125	25-Oct-18	10:14:23
9	9 181025M1_9	1803339-02 OC-FB13-1018 0.12463	25-Oct-18	10:25:01
10	10 181025M1_10	B8J0165-BLK1 Method Blank 0.125	25-Oct-18	10:35:34
11	11 181025M1_11	B8J0165-BS1 OPR 0.125	25-Oct-18	10:46:12
12	12 181025M1_12	B8J0165-BSD1 LCSD 0.125	25-Oct-18	11:09:25
13	13 181025M1_13	1803360-01 REEPEF467 0.11952	25-Oct-18	11:20:00
14	14 181025M1_14	1803360-02 REEPAR467 0.12632	25-Oct-18	11:30:38
15	15 181025M1_15	1803360-03 REEPAC467 0.12299	25-Oct-18	11:41:11
16	16 181025M1_16	1803360-04 REEPEF469 0.11816	25-Oct-18	11:51:49
17	17 181025M1_17	1803360-05 REEPAR469 0.11995	25-Oct-18	12:02:22
18	18 181025M1_18	1803360-06 REEPAC469 0.1234	25-Oct-18	12:13:01
19	19 181025M1_19	IPA	25-Oct-18	12:23:40
20	20 181025M1_20	ST181025M1-2 PFC CS3 18J1707	25-Oct-18	12:34:12

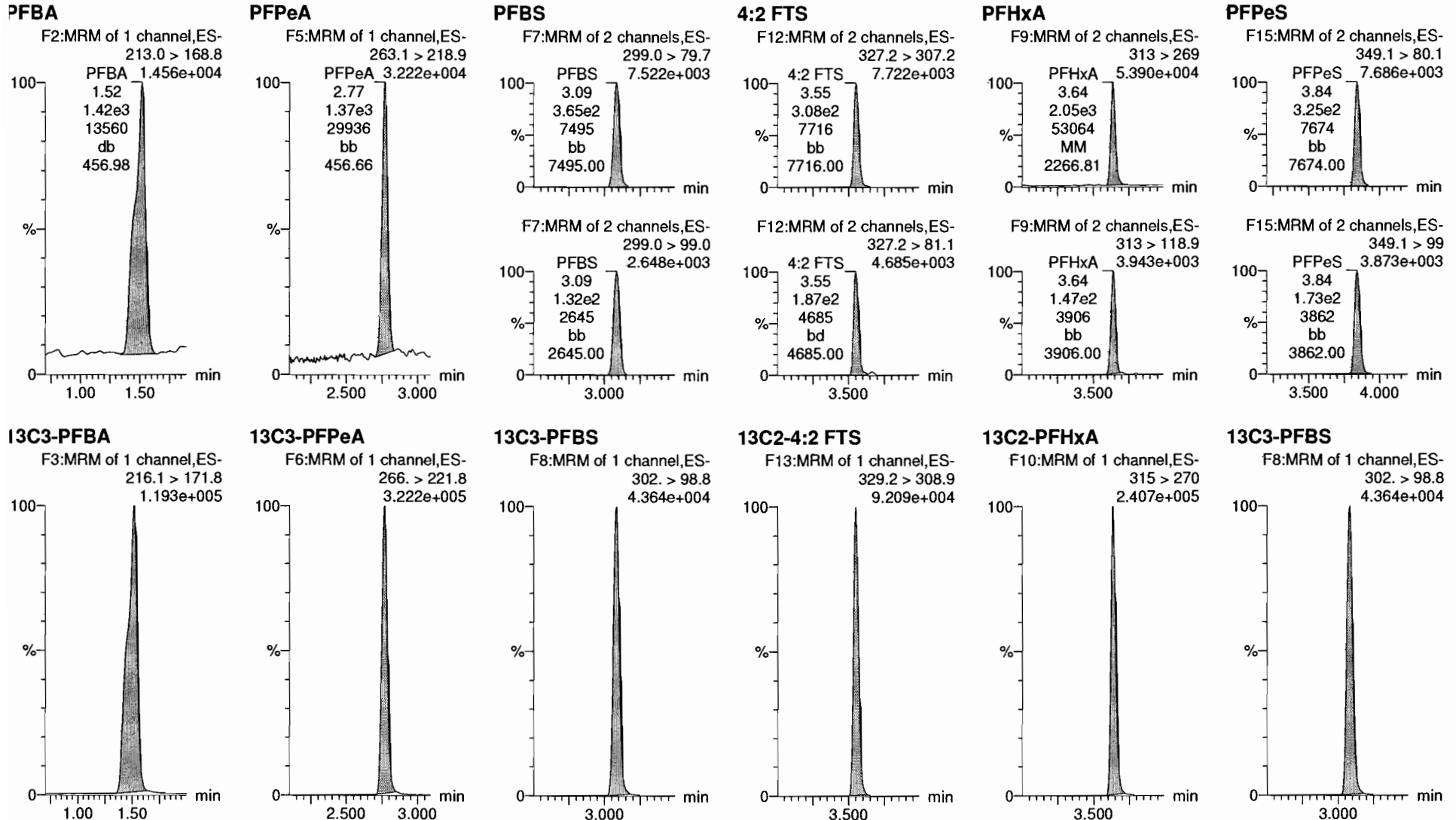
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Last Altered: Thursday, October 25, 2018 13:27:45 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:27:55 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20
Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

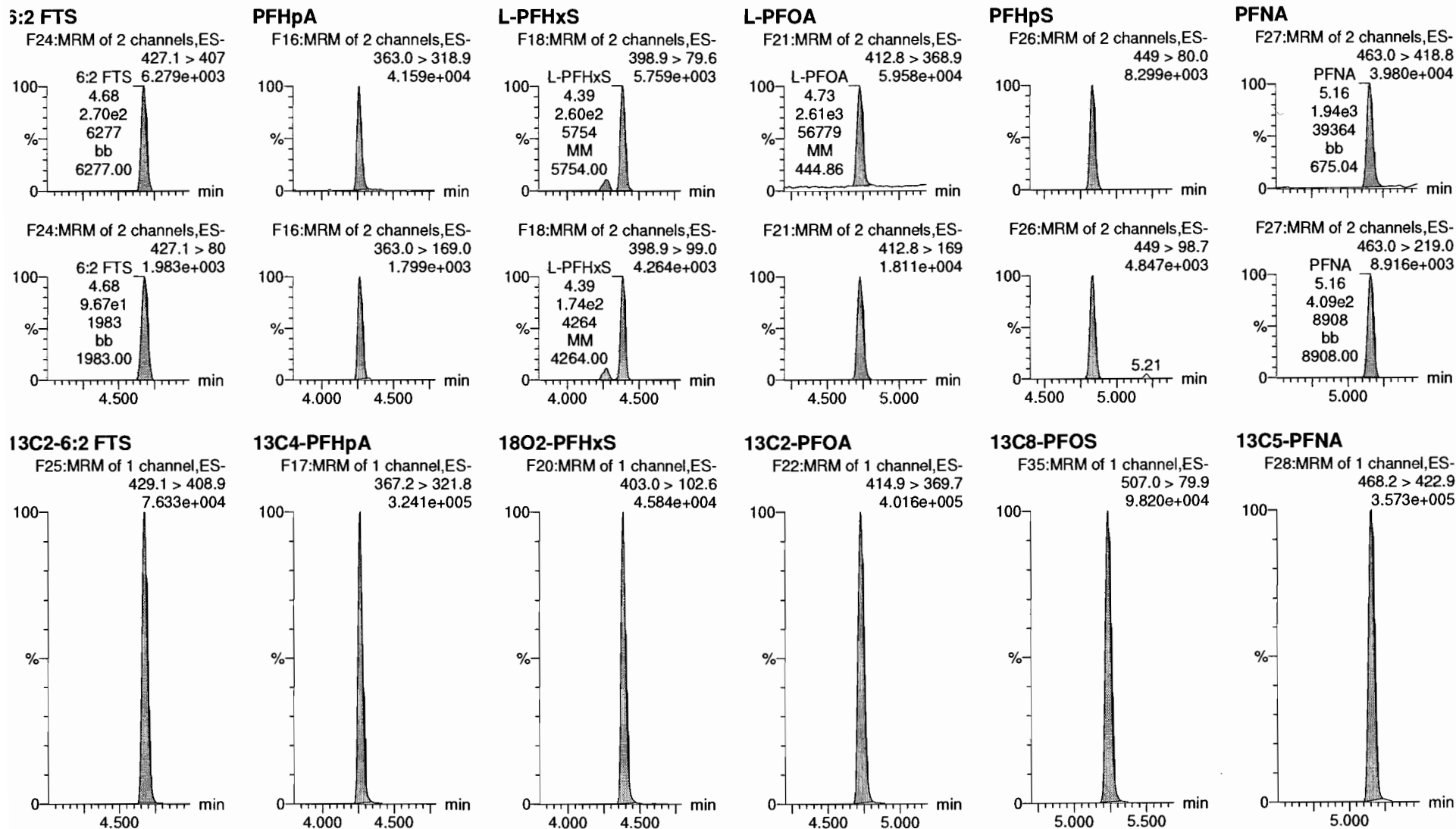


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Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704



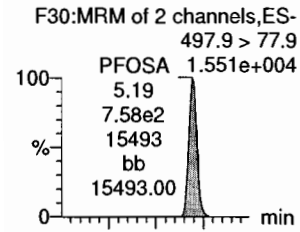
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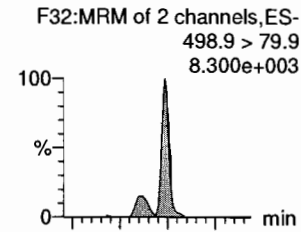
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Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

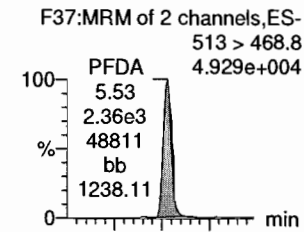
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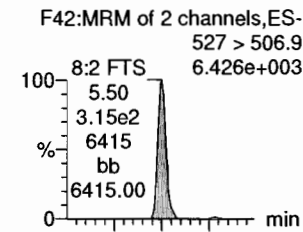
L-PFOS



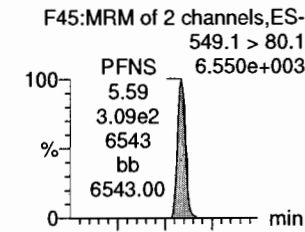
PFDA



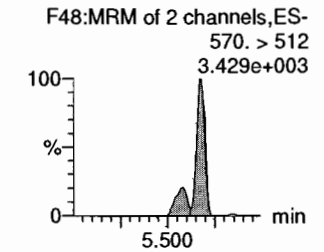
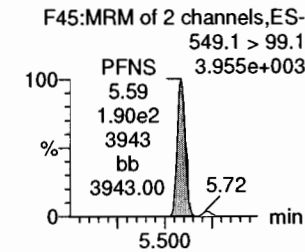
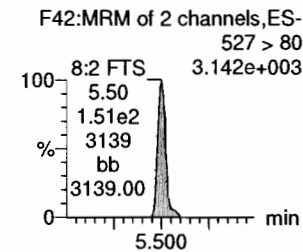
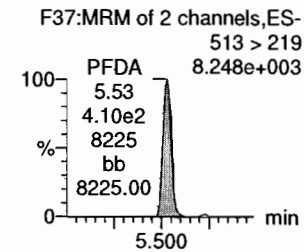
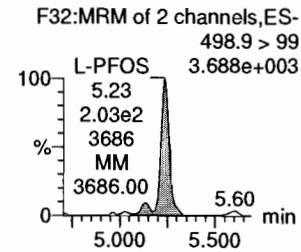
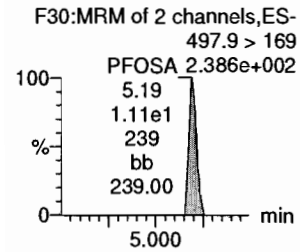
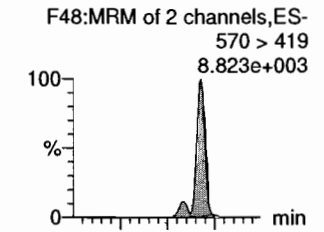
8:2 FTS



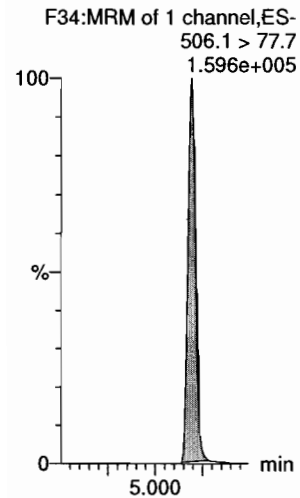
PFNS



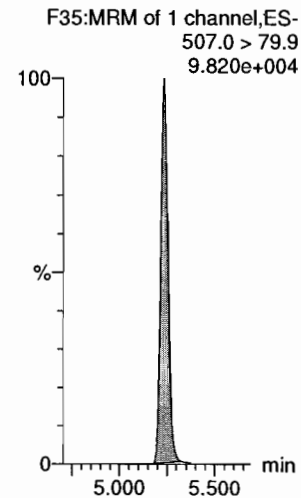
L-MeFOSAA



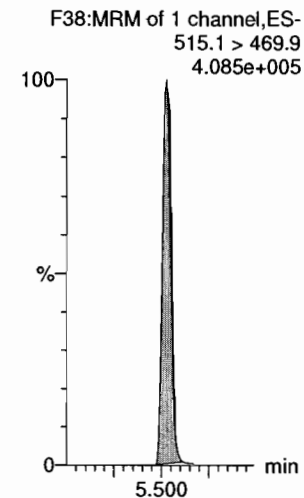
13C8-PFOA



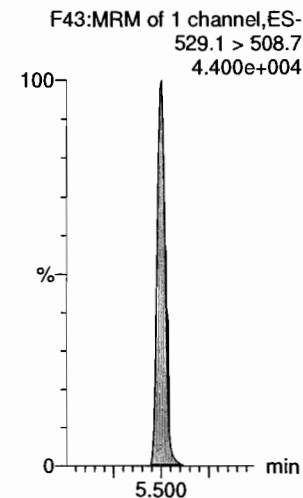
13C8-PFOS



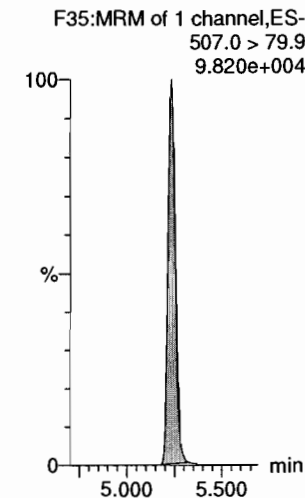
13C2-PFDA



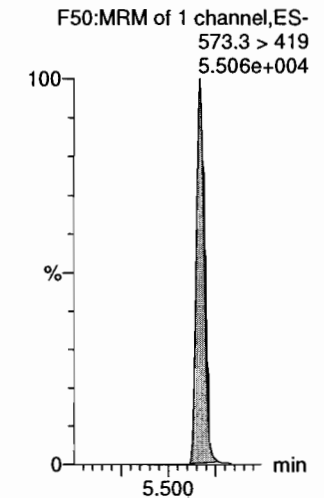
13C2-8:2 FTS



13C8-PFNS



d3-N-MeFOSAA



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

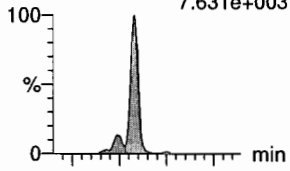
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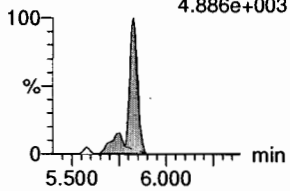
Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
7.631e+003

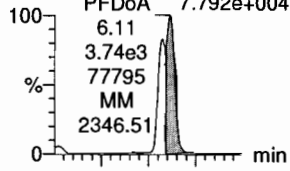


F51:MRM of 2 channels,ES-
584.1 > 526
4.886e+003

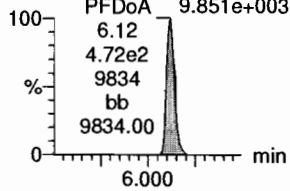


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
7.792e+004

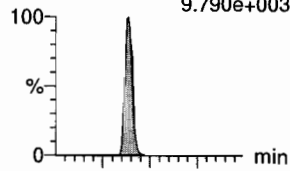


F54:MRM of 4 channels,ES-
612.9 > 318.8
9.851e+003

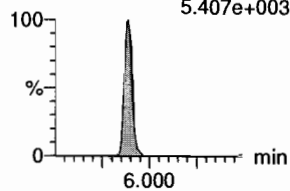


PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
9.790e+003

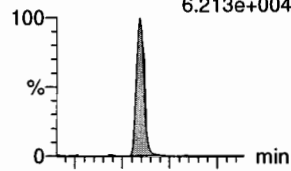


F53:MRM of 2 channels,ES-
598.8 > 98.9
5.407e+003

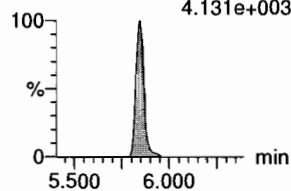


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
6.213e+004

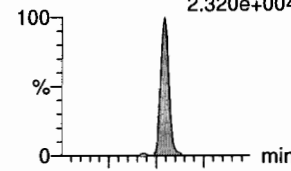


F46:MRM of 2 channels,ES-
563.0 > 269
4.131e+003

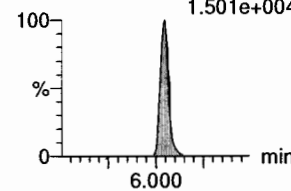


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
2.320e+004

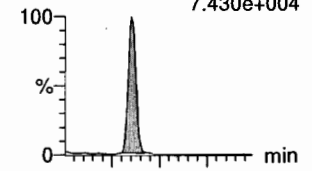


F36:MRM of 2 channels,ES-
512.1 > 219
1.501e+004

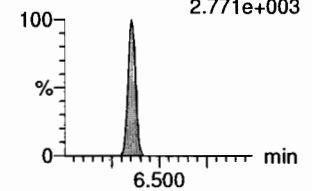


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
7.430e+004

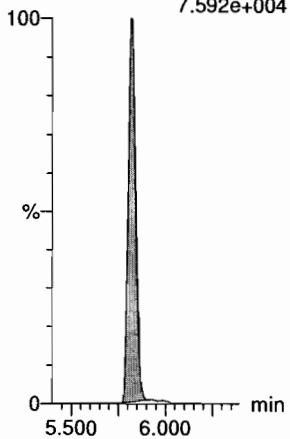


F60:MRM of 2 channels,ES-
662.9 > 319
2.771e+003



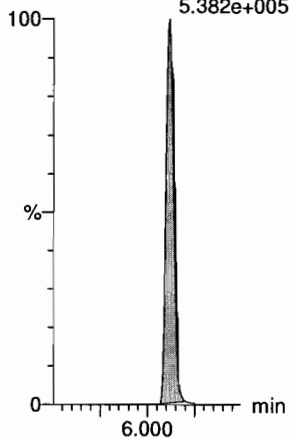
15-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
7.592e+004



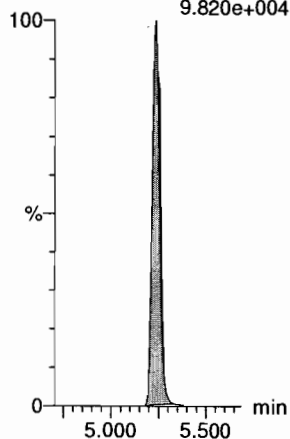
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.382e+005



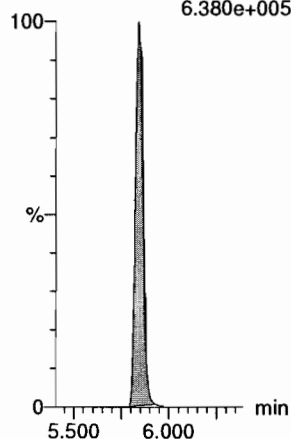
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
9.820e+004



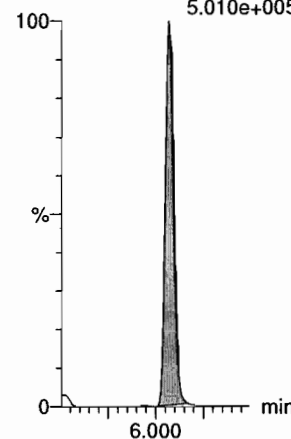
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
6.380e+005



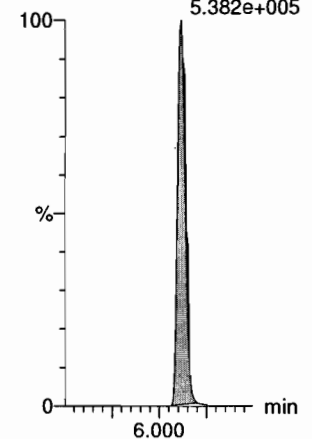
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
5.010e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.382e+005



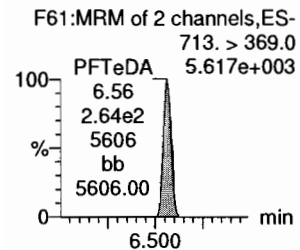
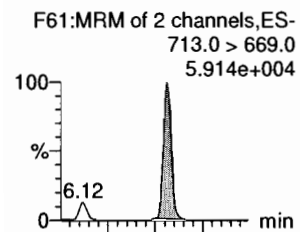
Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

Last Altered: Thursday, October 25, 2018 13:27:45 Pacific Daylight Time

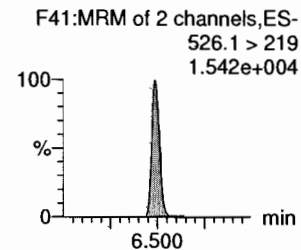
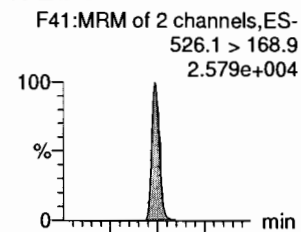
Printed: Thursday, October 25, 2018 13:27:55 Pacific Daylight Time

Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704

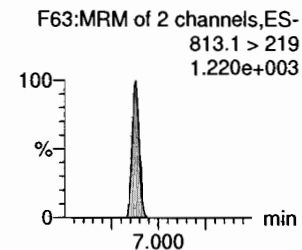
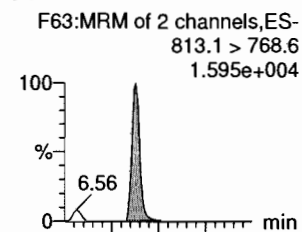
PFTeDA



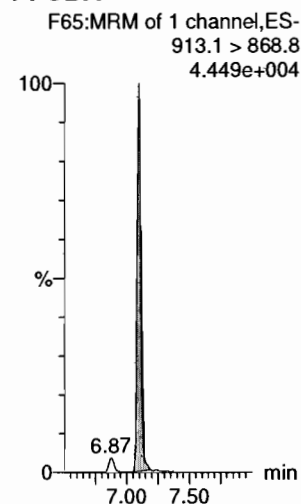
N-EtFOSA



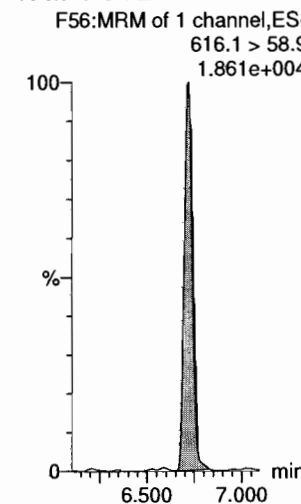
PFHxDA



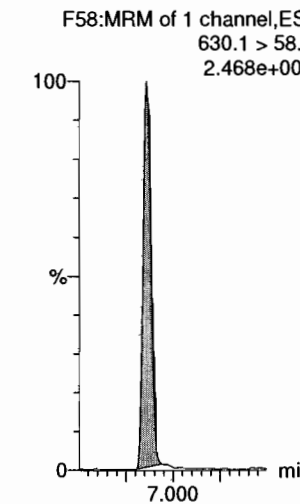
PFODA



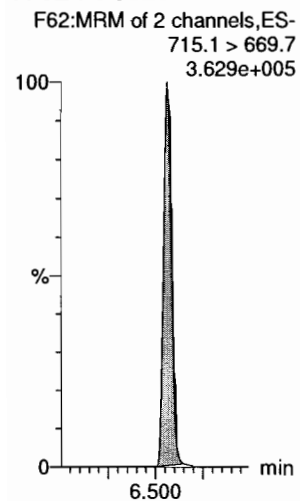
N-MeFOSE



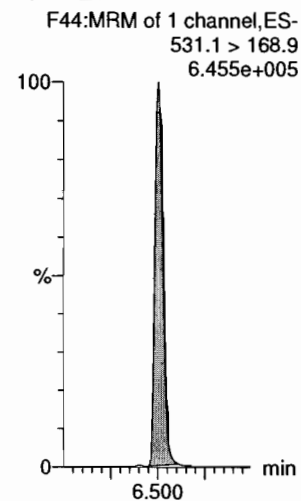
N-EtFOSE



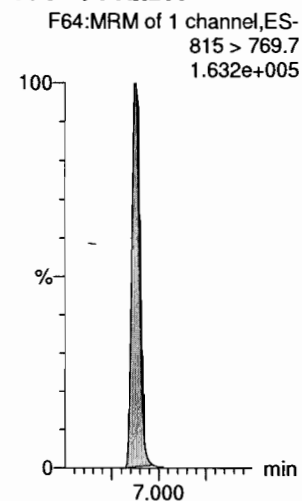
13C2-PFTeDA



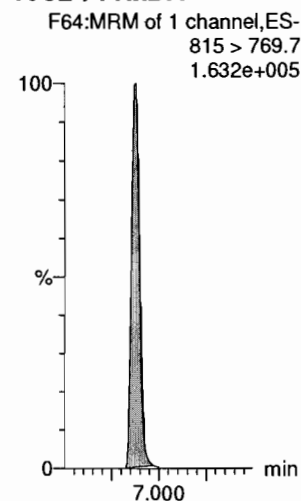
d5-N-ETFOSA



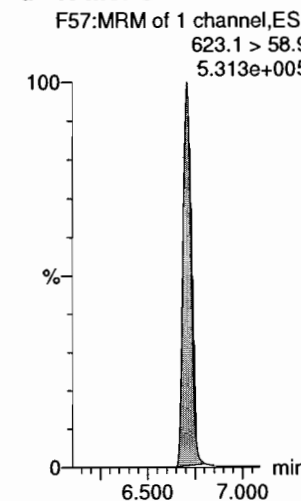
13C2-PFHxDA



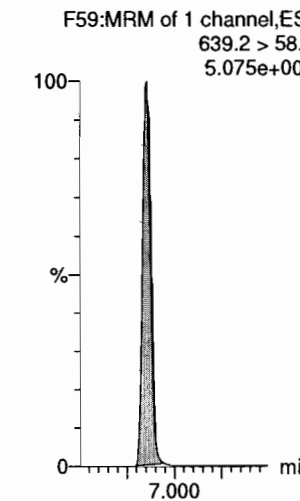
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

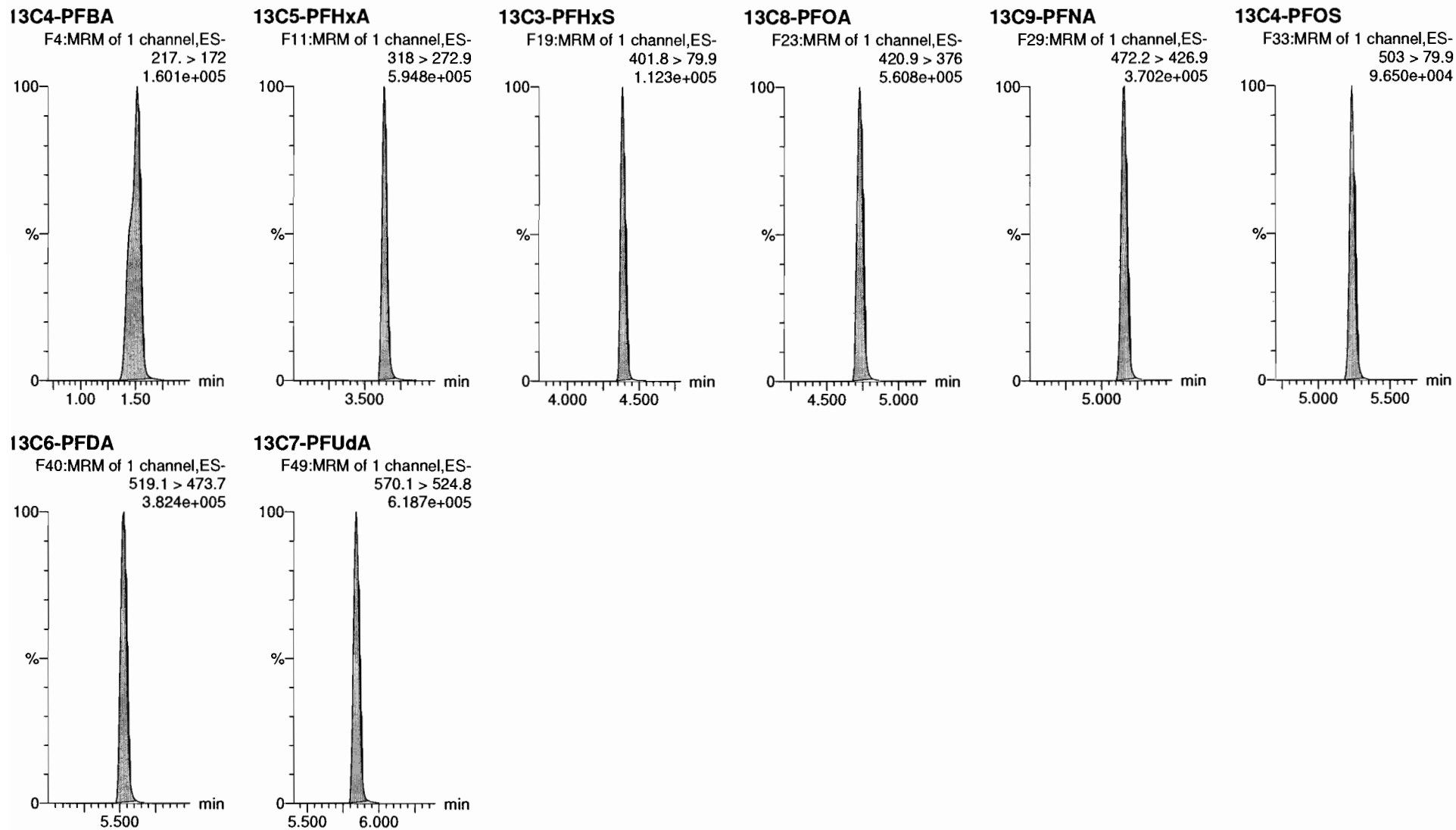


Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-2.qld

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Name: 181025M1_2, Date: 25-Oct-2018, Time: 09:08:57, ID: ST181025M1-1 PFC CS0 18J1704, Description: PFC CS0 18J1704



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

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✓ am 10/25/18

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	11796.752	11738.745	1.00	1.45	12.562	9.7	96.9	NO		
2	2 PFPeA	263.1 > 218.9	11691.468	13125.800	1.00	2.70	11.134	9.9	98.9	NO		
3	3 PFBS	299.0 > 79.7	3190.656	1863.541	1.00	3.02	21.402	9.9	98.8	NO	2.667	NO
4	4 4:2 FTS	327.2>307.2	2610.560	3137.437	1.00	3.49	10.401	10.3	103.4	NO	1.522	NO
5	5 PFHxA	313 > 269	18198.680	8833.973	1.00	3.57	10.300	10.0	99.9	NO	14.476	NO
6	6 PFPeS	349.1>80.1	3004.890	1863.541	1.00	3.78	20.156	10.6	106.1	NO	1.630	NO
7	36 13C3-PFBA	216.1 > 171.8	11738.745	15572.693	1.00	1.45	9.423	12.7	102.0	NO		
8	37 13C3-PFPeA	266. > 221.8	13125.800	22000.123	1.00	2.70	7.458	12.7	101.6	NO		
9	38 13C3-PFBS	302. > 98.8	1863.541	3887.835	1.00	3.01	5.992	12.3	98.1	NO		
10	39 13C2-4:2 FTS	329.2>308.9	3137.437	3887.835	1.00	3.49	10.087	11.3	90.3	NO		
11	40 13C2-PFHxA	315 > 270	8833.973	22000.123	1.00	3.57	5.019	5.0	100.2	NO		
12	38 13C3-PFBS	302. > 98.8	1863.541	3887.835	1.00	3.01	5.992	12.3	98.1	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	2889.421	2771.665	1.00	4.62	13.031	10.7	106.7	NO	3.301	NO
15	7 PFHpA	363.0 > 318.9	13495.632	11315.409	1.00	4.20	14.908	9.8	98.3	NO	16.228	NO
16	8 L-PFHxS	398.9 > 79.6	2390.448	1541.491	1.00	4.33	19.384	9.6	95.8	NO	1.461	NO
17	11 L-PFOA	412.8 > 368.9	22063.406	19001.076	1.00	4.67	14.515	9.1	90.9	NO	3.282	NO
18	13 PFHpS	449 > 80.0	3112.552	4081.363	1.00	4.78	9.533	9.5	95.0	NO	1.770	NO
19	14 PFNA	463.0 > 418.8	17172.584	15570.668	1.00	5.10	13.786	10.1	100.6	NO	4.402	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	2771.665	4054.441	1.00	4.62	8.545	10.1	80.8	NO		
21	41 13C4-PFHpA	367.2 > 321.8	11315.409	22000.123	1.00	4.20	6.429	12.5	100.3	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1541.491	3887.835	1.00	4.33	4.956	12.5	100.0	NO		
23	44 13C2-PFOA	414.9 > 369.7	19001.076	25656.053	1.00	4.67	9.258	12.9	102.9	NO		
24	47 13C8-PFOS	507.0 > 79.9	4081.363	4054.441	1.00	5.18	12.583	12.3	98.4	NO		
25	45 13C5-PFNA	468.2 > 422.9	15570.668	16016.459	1.00	5.10	12.152	12.5	100.3	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	6672.870	6481.084	1.00	5.13	12.870	10.2	102.2	NO	26.252	NO
28	16 L-PFOS	498.9 > 79.9	3605.395	4081.363	1.00	5.18	11.042	9.4	93.8	NO	1.973	NO
29	18 PFDA	513 > 468.8	19490.289	18424.178	1.00	5.47	13.223	9.6	96.1	NO	5.454	NO
30	19 8:2 FTS	527 > 506.9	2506.832	1950.091	1.00	5.44	16.069	9.5	95.0	NO	2.149	NO
31	20 PFNS	549.1 > 80.1	2796.208	4081.363	1.00	5.53	8.564	9.9	99.0	NO	1.660	NO
32	21 L-MeFOSAA	570 > 419	6388.132	3448.240	1.00	5.61	23.157	9.5	94.9	NO	2.494	NO
33	46 13C8-PFOA	506.1 > 77.7	6481.084	25159.498	1.00	5.13	3.220	10.9	87.2	NO		
34	47 13C8-PFOS	507.0 > 79.9	4081.363	4054.441	1.00	5.18	12.583	12.3	98.4	NO		
35	48 13C2-PFDA	515.1 > 469.9	18424.178	17255.330	1.00	5.47	13.347	12.8	102.7	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	1950.091	4054.441	1.00	5.44	6.012	10.2	81.4	NO		

*WBF
10/25/18*

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

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(A) ABOVE CRITERIA Limit

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	4081.363	4054.441	1.00	5.18	12.583	12.3	98.4	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	3448.240	25159.498	1.00	5.62	1.713	31.2	249.8	YES <i>(A)</i>		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	4982.905	4321.224	1.00	5.77	14.414	10.3	103.3	NO	1.328	NO
41	27 PFDaA	612.9 > 569.0	30405.750	25267.506	1.00	6.06	15.042	9.8	98.1	NO	9.425	NO
42	26 PFDS	598.8 > 79.9	3874.179	4081.363	1.00	5.82	11.865	10.6	105.8	NO	1.693	NO
43	25 PFUdA	563.0 > 518.9	21052.604	24074.014	1.00	5.79	10.931	9.7	97.2	NO	9.987	NO
44	28 N-MeFOSA	512.1 > 168.9	9822.370	22139.234	1.00	5.97	66.550	53.3	106.6	NO	1.403	NO
45	29 PFTrDA	662.9 > 618.9	30913.498	25267.506	1.00	6.30	15.293	10.2	101.6	NO	26.405	NO
46	52 d5-N-EtFOSAA	589.3 > 419	4321.224	25159.498	1.00	5.76	2.147	23.6	188.5	YES <i>(A)</i>		
47	53 13C2-PFDaA	615.0 > 569.7	25267.506	17255.330	1.00	6.05	18.304	16.6	132.8	NO		
48	47 13C8-PFOS	507.0 > 79.9	4081.363	4054.441	1.00	5.18	12.583	12.3	98.4	NO		
49	51 13C2-PFUdA	565 > 519.8	24074.014	25159.498	1.00	5.79	11.961	12.4	99.6	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	22139.234	25159.498	1.00	5.99	10.999	144.7	96.5	NO		
51	53 13C2-PFDaA	615.0 > 569.7	25267.506	17255.330	1.00	6.05	18.304	16.6	132.8	NO		
52	-1											
53	30 PFTeDA	713.0 > 669.0	26715.850	18416.916	1.00	6.50	18.133	9.9	98.9	NO	12.304	NO
54	31 N-EtFOSA	526.1 > 168.9	11426.072	32599.361	1.00	6.42	52.575	51.0	102.1	NO	1.498	NO
55	32 PFHxDA	813.1 > 768.6	9293.805	9021.255	1.00	6.82	5.151	10.5	104.8	NO	18.595	NO
56	33 PFODA	913.1 > 868.8	16255.176	9021.255	1.00	7.04	9.009	9.3	93.4	NO		
57	34 N-MeFOSE	616.1 > 58.9	8454.085	23125.020	1.00	6.66	54.837	48.2	96.4	NO		
58	35 N-EtFOSE	630.1 > 58.9	9896.050	21790.871	1.00	6.81	68.121	50.1	100.3	NO		
59	55 13C2-PFTeDA	715.1 > 669.7	18416.916	25159.498	1.00	6.50	9.150	16.3	130.5	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	32599.361	25159.498	1.00	6.44	16.196	161.1	107.4	NO		
61	57 13C2-PFHxDA	815 > 769.7	9021.255	25159.498	1.00	6.82	4.482	6.4	128.2	NO		
62	57 13C2-PFHxDA	815 > 769.7	9021.255	25159.498	1.00	6.82	4.482	6.4	128.2	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	23125.020	25159.498	1.00	6.64	11.489	123.5	82.4	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	21790.871	25159.498	1.00	6.79	10.826	127.9	85.3	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	15572.693	15572.693	1.00	1.45	12.500	12.5	100.0	NO		
67	61 13C5-PFHxA	318 > 272.9	22000.123	22000.123	1.00	3.57	12.500	12.5	100.0	NO		
68	62 13C3-PFHxS	401.8 > 79.9	3887.835	3887.835	1.00	4.33	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	25656.053	25656.053	1.00	4.67	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	16016.459	16016.459	1.00	5.10	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	4054.441	4054.441	1.00	5.18	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	17255.330	17255.330	1.00	5.47	12.500	12.5	100.0	NO		

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

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Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	25159.498	25159.498	1.00	5.79	12.500	12.5	100.0		NO	

Dataset: Untitled

Last Altered: Thursday, October 25, 2018 13:43:41 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:45:03 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181025M1_1	IPA	25-Oct-18	08:58:24
2	2 181025M1_2	ST181025M1-1 PFC CS0 18J1704	25-Oct-18	09:08:57
3	3 181025M1_3	IPA	25-Oct-18	09:19:35
4	4 181025M1_4	1803344-12 REEPAC450 0.11927	25-Oct-18	09:30:11
5	5 181025M1_5	1803345-14 REEPEF458 0.12066	25-Oct-18	09:40:47
6	6 181025M1_6	1803339-01 OC-RW13-1018 0.1218	25-Oct-18	09:51:21
7	7 181025M1_7	1803344-14 REEPAR451 0.11408	25-Oct-18	10:03:49
8	8 181025M1_8	B8J0101-BS1 OPR 0.125	25-Oct-18	10:14:23
9	9 181025M1_9	1803339-02 OC-FB13-1018 0.12463	25-Oct-18	10:25:01
10	10 181025M1_10	B8J0165-BLK1 Method Blank 0.125	25-Oct-18	10:35:34
11	11 181025M1_11	B8J0165-BS1 OPR 0.125	25-Oct-18	10:46:12
12	12 181025M1_12	B8J0165-BSD1 LCSD 0.125	25-Oct-18	11:09:25
13	13 181025M1_13	1803360-01 REEPEF467 0.11952	25-Oct-18	11:20:00
14	14 181025M1_14	1803360-02 REEPAR467 0.12632	25-Oct-18	11:30:38
15	15 181025M1_15	1803360-03 REEPAC467 0.12299	25-Oct-18	11:41:11
16	16 181025M1_16	1803360-04 REEPEF469 0.11816	25-Oct-18	11:51:49
17	17 181025M1_17	1803360-05 REEPAR469 0.11995	25-Oct-18	12:02:22
18	18 181025M1_18	1803360-06 REEPAC469 0.1234	25-Oct-18	12:13:01
19	19 181025M1_19	IPA	25-Oct-18	12:23:40
20	20 181025M1_20	ST181025M1-2 PFC CS3 18J1707	25-Oct-18	12:34:12

Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

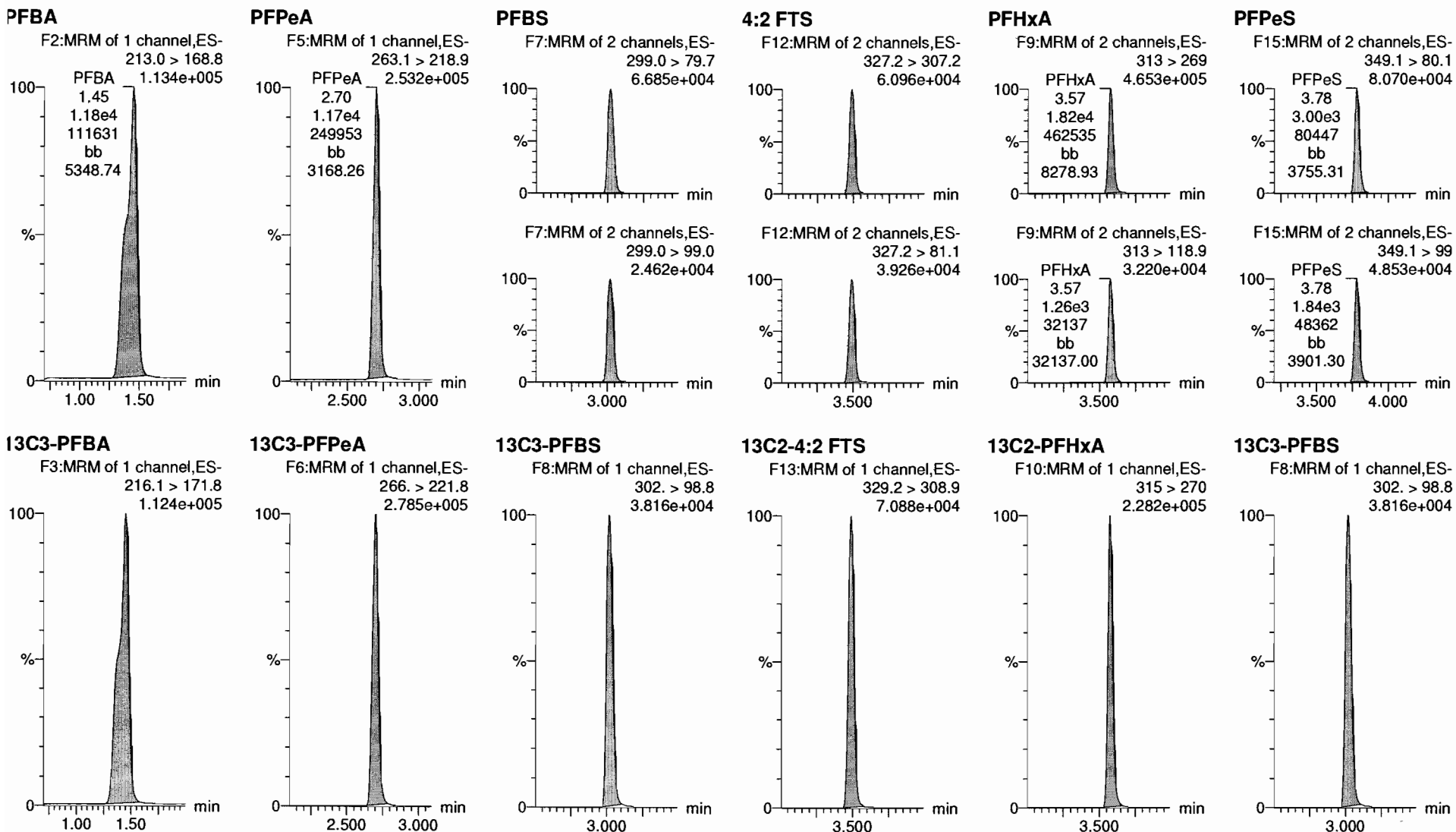
Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102518.mdb 25 Oct 2018 13:17:20

Calibration: Z:\Projects\PFAS.pro\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

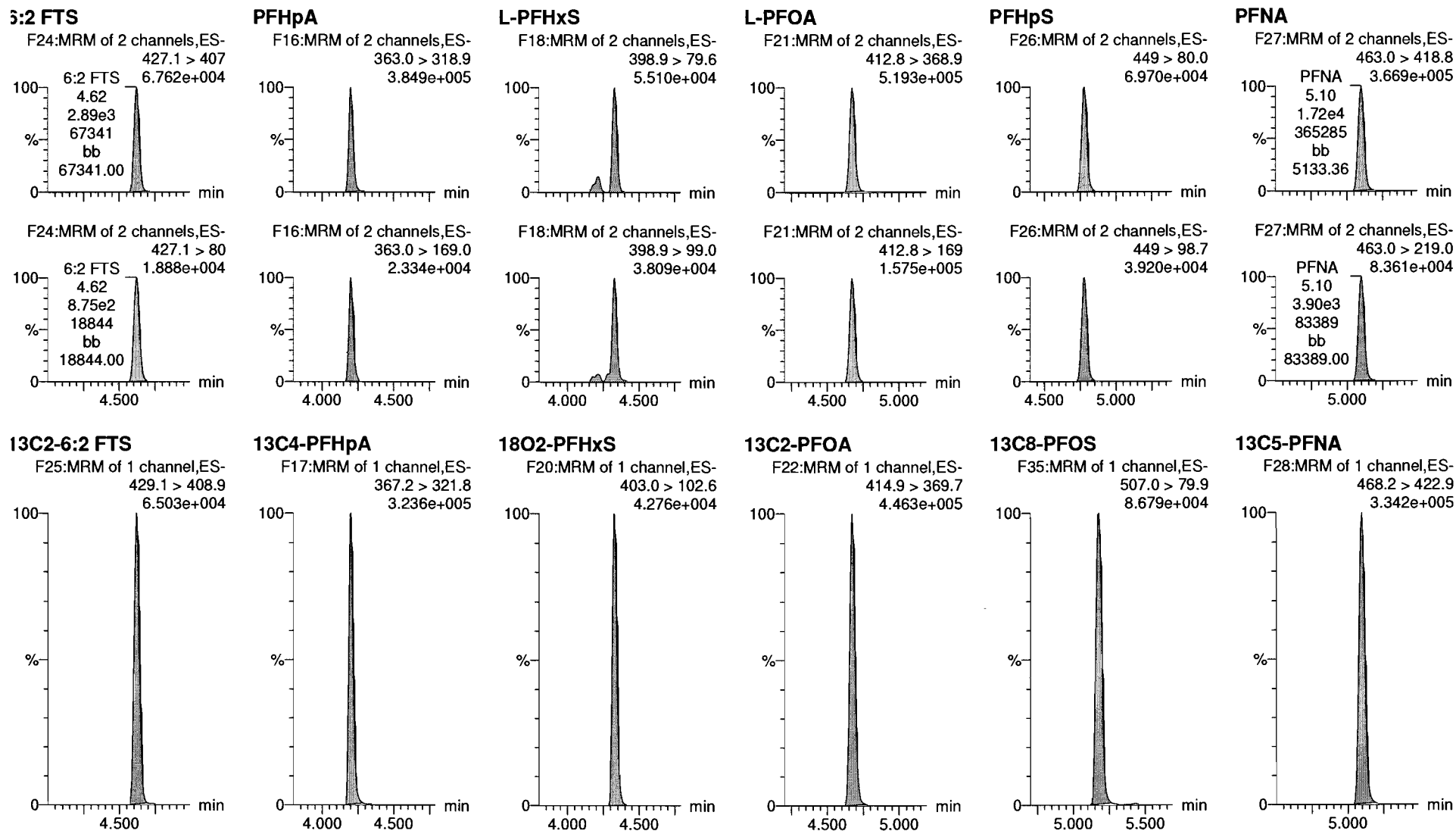


Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

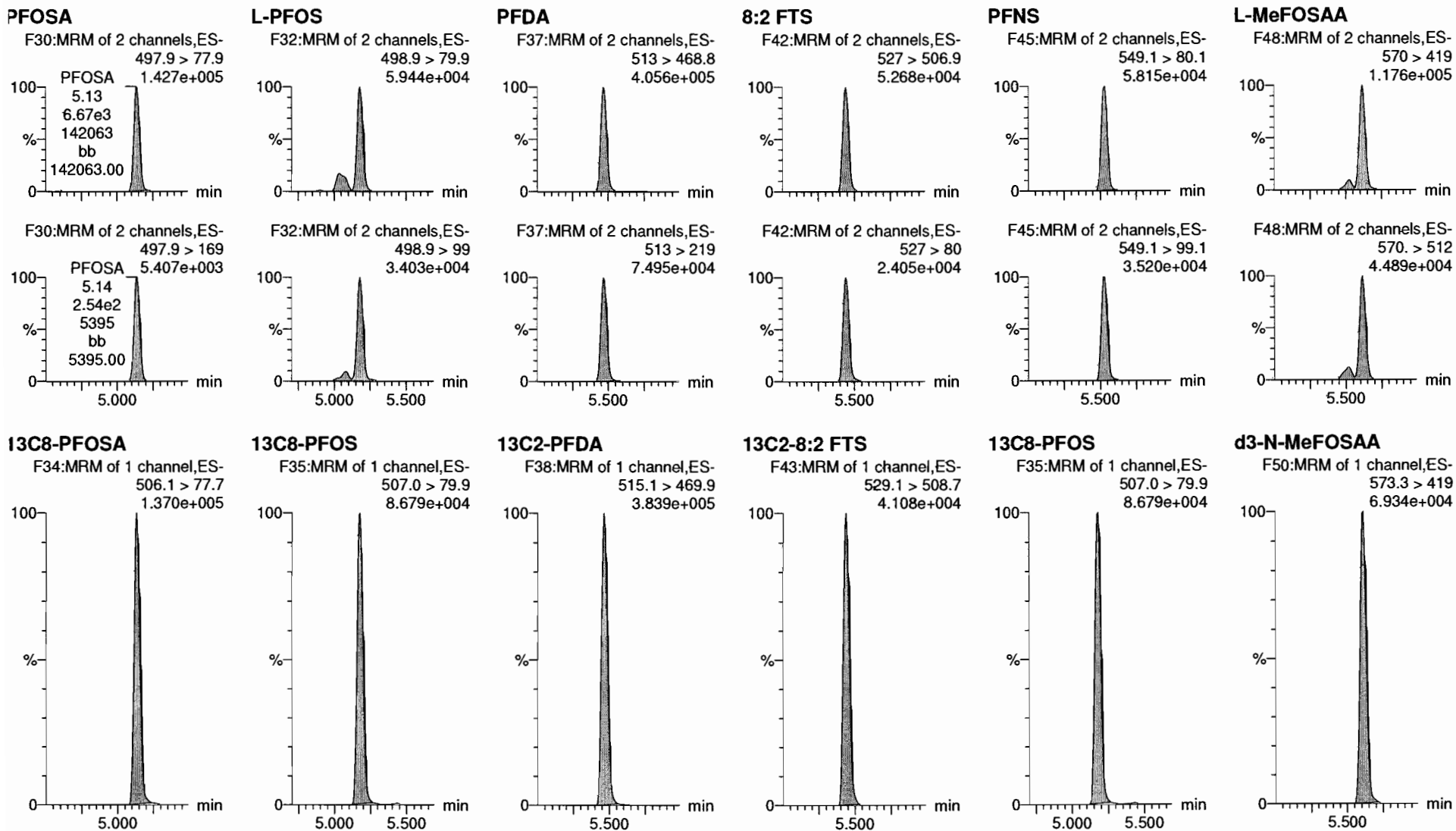


Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

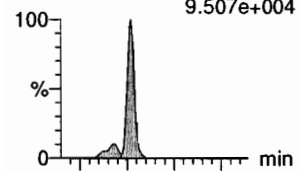
Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

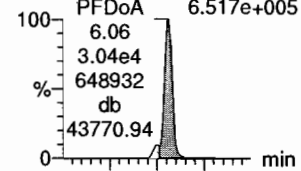
L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
9.507e+004



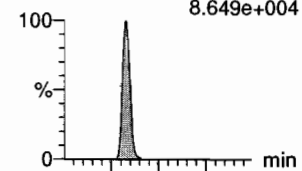
PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
6.517e+005



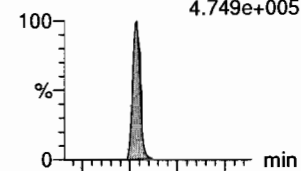
PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
8.649e+004



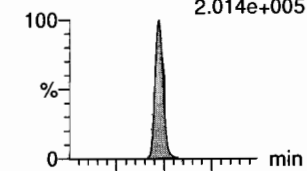
PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
4.749e+005



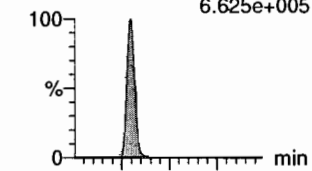
N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
2.014e+005

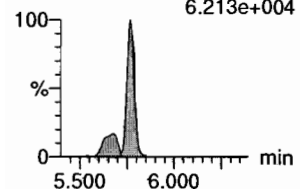


PFTrDA

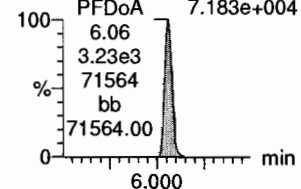
F60:MRM of 2 channels,ES-
662.9 > 618.9
6.625e+005



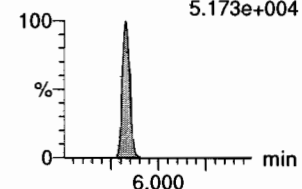
F51:MRM of 2 channels,ES-
584.1 > 526
6.213e+004



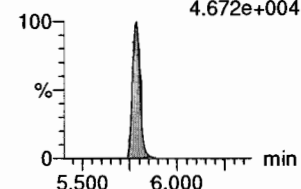
F54:MRM of 4 channels,ES-
612.9 > 318.8
7.183e+004



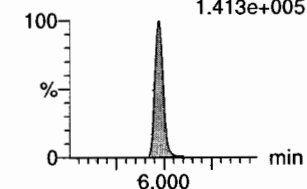
F53:MRM of 2 channels,ES-
598.8 > 98.9
5.173e+004



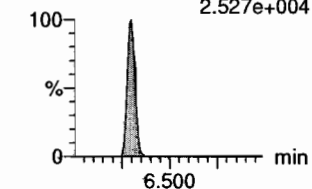
F46:MRM of 2 channels,ES-
563.0 > 269
4.672e+004



F36:MRM of 2 channels,ES-
512.1 > 219
1.413e+005

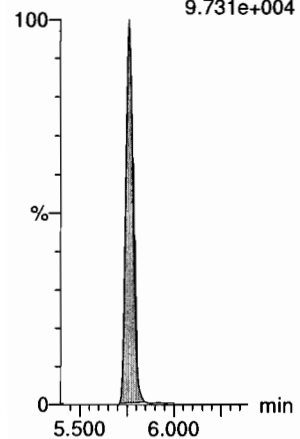


F60:MRM of 2 channels,ES-
662.9 > 319
2.527e+004



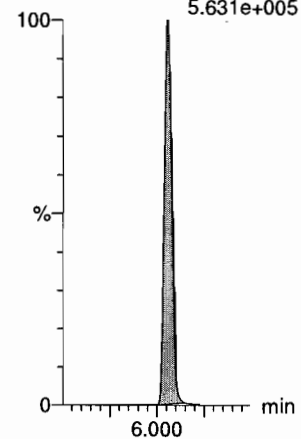
15-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
9.731e+004



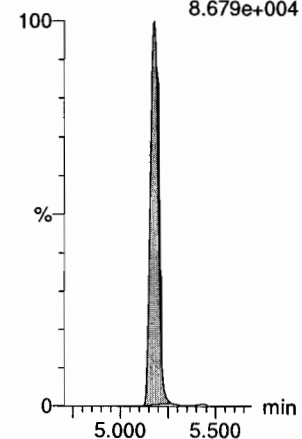
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.631e+005



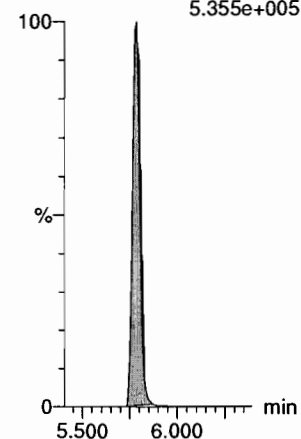
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
8.679e+004



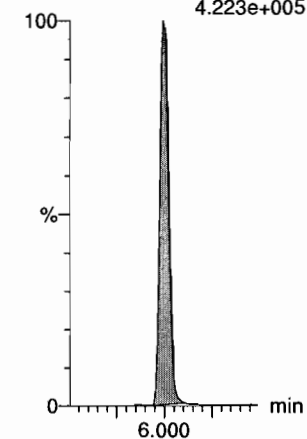
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
5.355e+005



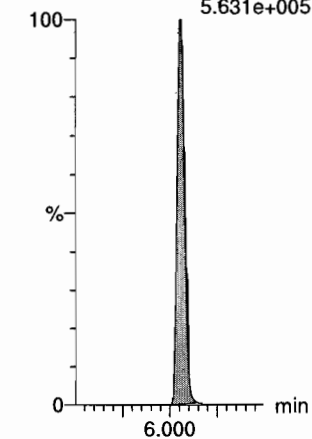
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
4.223e+005



13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
5.631e+005



Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

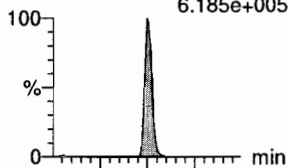
Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

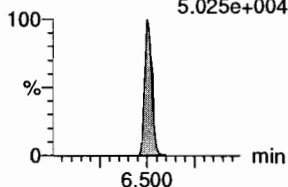
Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707

PFTeDA

F61:MRM of 2 channels,ES-
713.0 > 669.0
6.185e+005

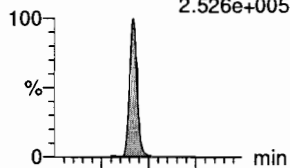


F61:MRM of 2 channels,ES-
713. > 369.0
5.025e+004

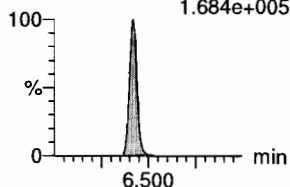


N-EtFOFA

F41:MRM of 2 channels,ES-
526.1 > 168.9
2.526e+005

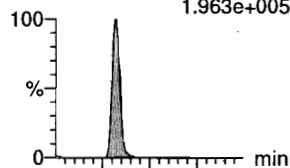


F41:MRM of 2 channels,ES-
526.1 > 219
1.684e+005

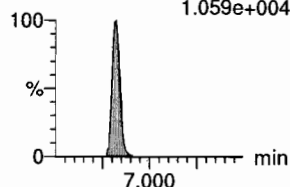


PFHxDA

F63:MRM of 2 channels,ES-
813.1 > 768.6
1.963e+005

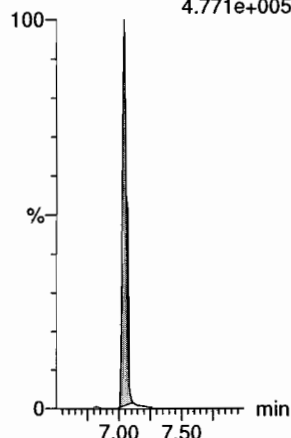


F63:MRM of 2 channels,ES-
813.1 > 219
1.059e+004



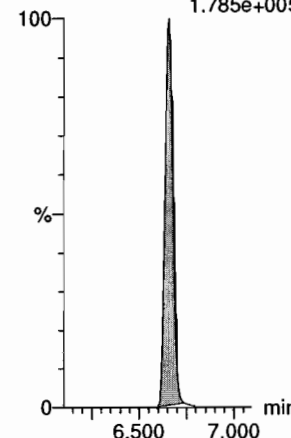
PFODA

F65:MRM of 1 channel,ES-
913.1 > 868.8
4.771e+005



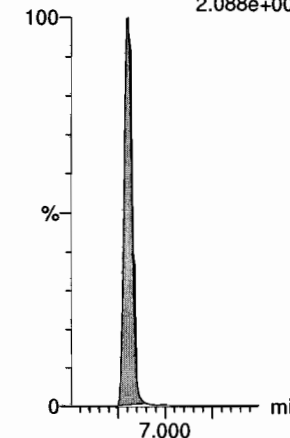
N-MeFOSE

F56:MRM of 1 channel,ES-
616.1 > 58.9
1.785e+005



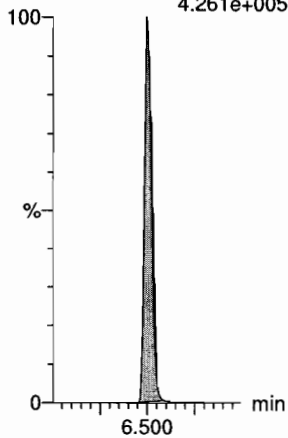
N-EtFOSE

F58:MRM of 1 channel,ES-
630.1 > 58.9
2.088e+005



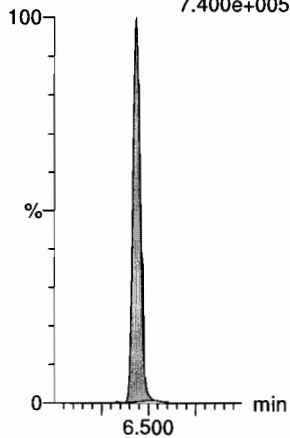
13C2-PFTeDA

F62:MRM of 2 channels,ES-
715.1 > 669.7
4.261e+005



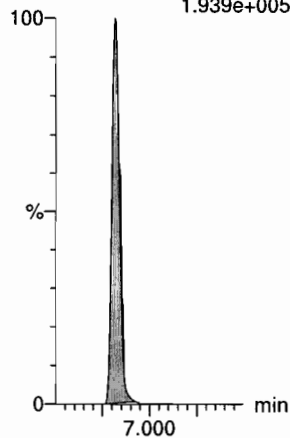
d5-N-ETFOFA

F44:MRM of 1 channel,ES-
531.1 > 168.9
7.400e+005



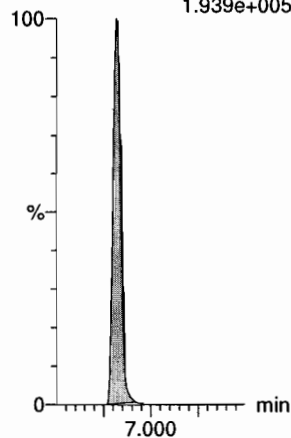
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.939e+005



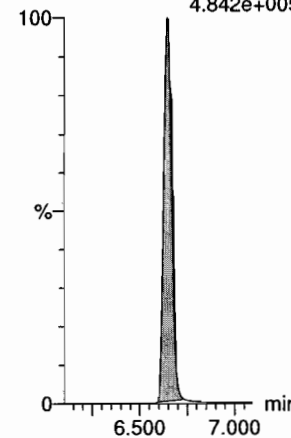
13C2-PFHxDA

F64:MRM of 1 channel,ES-
815 > 769.7
1.939e+005



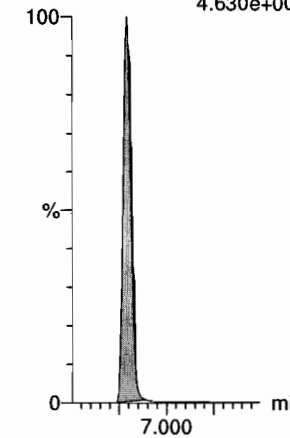
d7-N-MeFOSE

F57:MRM of 1 channel,ES-
623.1 > 58.9
4.842e+005



d9-N-EtFOSE

F59:MRM of 1 channel,ES-
639.2 > 58.8
4.630e+005

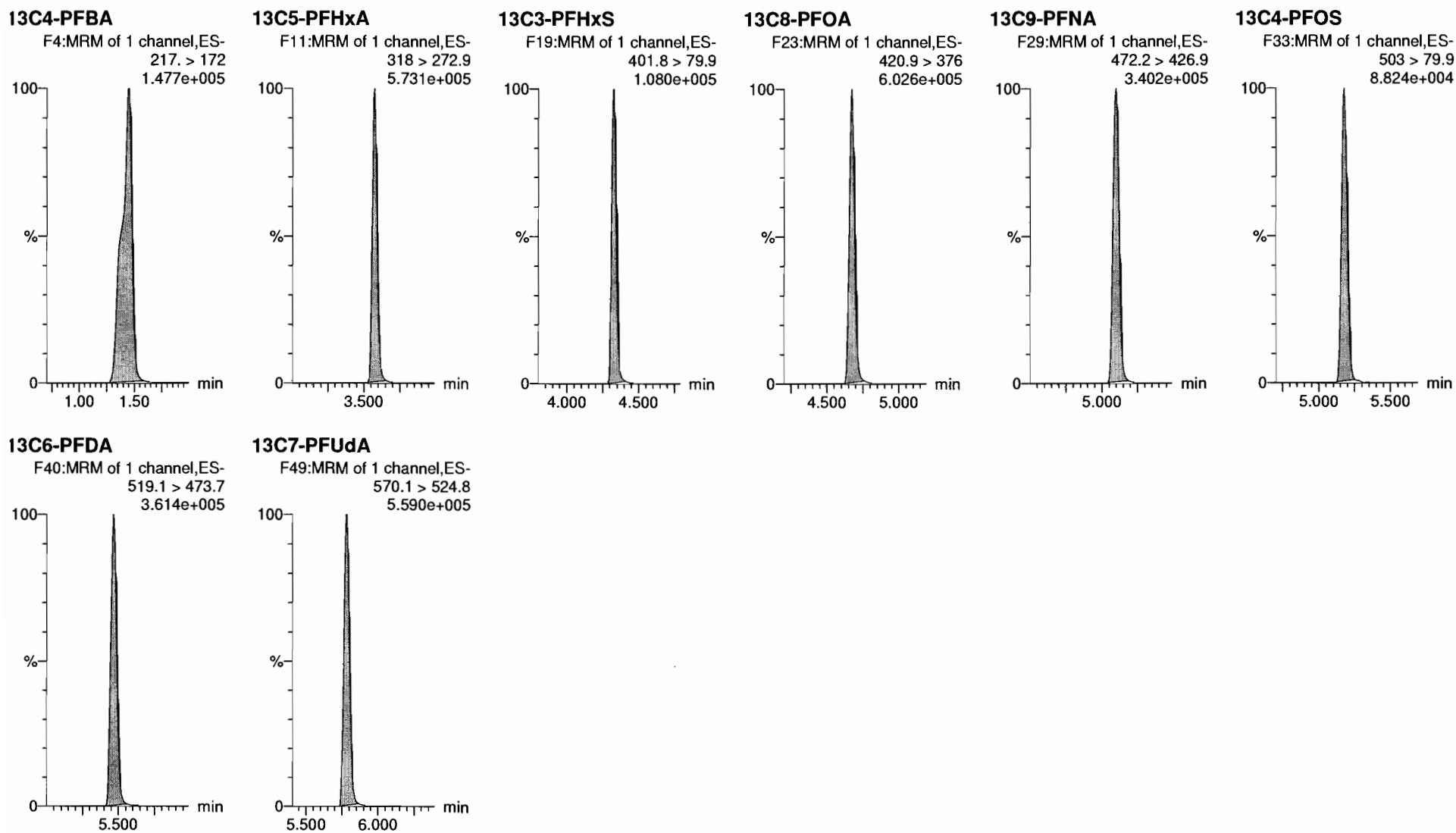


Dataset: Z:\Projects\PFAS.PRO\Results\181025M1\181025M1-20.qld

Last Altered: Thursday, October 25, 2018 13:17:22 Pacific Daylight Time

Printed: Thursday, October 25, 2018 13:17:45 Pacific Daylight Time

Name: 181025M1_20, Date: 25-Oct-2018, Time: 12:34:12, ID: ST181025M1-2 PFC CS3 18J1707, Description: PFC CS3 18J1707



INITIAL CALIBRATION (ICAL)
INCLUDING ASSOCIATED
INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld
 Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time
 Printed: Wednesday, October 24, 2018 15:16:56 Pacific Daylight Time

high ft
 4:2 FTS = 100
 6:2 FTS
 8:2 FTS

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31
 Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

Correlation coefficient: $r = 0.999903$, $r^2 = 0.999806$
 Calibration curve: $1.28672 * x + 0.0910778$
 Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

✓ Jan 10/24/18

100% 10/24/18

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	1.39	366.868	11179.151	0.410	0.2	-0.8	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	1.39	645.094	11276.996	0.715	0.5	-3.0	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	1.39	1238.071	10852.444	1.426	1.0	3.7	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	1.39	2447.200	11258.066	2.717	2.0	2.0	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	1.39	5803.783	11087.302	6.543	5.0	0.3	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	1.39	11110.888	10831.201	12.823	9.9	-1.1	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	1.39	54708.910	10811.083	63.256	49.1	-1.8	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	1.39	112946.953	11060.165	127.651	99.1	-0.9	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	1.38	260953.203	9919.592	328.836	255.5	2.2	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	1.38	455120.094	8907.035	638.709	496.3	-0.7	NO	1.000	NO	bb

Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999954$
 Calibration curve: $8.80691e-006 * x^2 + 1.11918 * x + 0.0669891$
 Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	2.65	373.588	13012.966	0.359	0.3	4.3	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	2.64	679.592	13217.507	0.643	0.5	2.9	NO	1.000	NO	MM
3	3 181024M2_4	Standard	1.000	2.64	1141.976	12712.551	1.123	0.9	-5.7	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	2.64	2454.753	12896.931	2.379	2.1	3.3	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	2.64	5714.304	12851.454	5.558	4.9	-1.9	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	2.63	10946.883	12417.012	11.020	9.8	-2.1	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	2.64	53148.734	12085.400	54.972	49.0	-1.9	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	2.64	106829.992	11816.134	113.013	100.8	0.8	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	2.63	235760.094	10470.890	281.447	250.9	0.4	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	2.63	398857.500	8882.959	561.268	499.5	-0.1	NO	1.000	NO	bb

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:16:56 Pacific Daylight Time

Compound name: PFBS

Coefficient of Determination: R² = 0.999860

Calibration curve: $-1.66615e-005 * x^2 + 2.1722 * x + -0.0560528$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	2.98	78.236	1843.161	0.531	0.3	8.0	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	2.97	146.967	1835.928	1.001	0.5	-2.7	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	2.97	316.176	1748.739	2.260	1.1	6.6	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	2.96	606.809	1771.590	4.282	2.0	-0.2	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	2.96	1475.350	1799.818	10.247	4.7	-5.1	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	2.96	2865.319	1757.907	20.375	9.4	-5.9	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	2.96	14326.207	1669.899	107.239	49.4	-1.2	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	2.96	28836.723	1672.596	215.509	99.3	-0.7	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	2.96	62070.461	1410.794	549.960	253.7	1.5	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	2.96	103065.617	1194.732	1078.334	498.4	-0.3	NO	1.000	NO	bb

Compound name: 4:2 FTS

Coefficient of Determination: R² = 0.999257

Calibration curve: $-0.00279953 * x^2 + 1.02616 * x + 0.0933003$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	3.44	94.887	3153.791	0.376	0.3	10.3	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	3.44	129.235	3170.642	0.509	0.4	-18.8	NO	0.999	NO	bb
3	3 181024M2_4	Standard	1.000	3.44	276.937	3066.179	1.129	1.0	1.2	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	3.43	527.521	3011.354	2.190	2.1	2.7	NO	0.999	NO	bb
5	5 181024M2_6	Standard	5.000	3.44	1290.070	3105.040	5.193	5.0	0.8	NO	0.999	NO	bb
6	6 181024M2_7	Standard	10.000	3.43	2550.443	2999.353	10.629	10.6	5.7	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	3.44	11476.824	3310.411	43.336	48.6	-2.8	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	3.43	22940.775	3813.851	75.189	101.0	1.0	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	3.43	48667.863	4673.864	130.160			NO	0.999	NO	bbXI
10	10 181024M2_11	Standard	500.000	3.43	82570.680	6079.612	169.770			NO	0.999	NO	bbXI

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Compound name: PFHxA

Coefficient of Determination: R² = 0.999963

Calibration curve: $-0.000135193 * x^2 + 1.02804 * x + 0.039668$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	3.53	560.068	8621.301	0.325	0.3	11.0	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	3.52	971.341	8879.516	0.547	0.5	-1.3	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	3.52	1891.250	8423.860	1.123	1.1	5.3	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	3.52	3762.288	8736.476	2.153	2.1	2.8	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	3.52	8974.971	8689.358	5.164	5.0	-0.2	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	3.52	17298.396	8539.579	10.128	9.8	-1.7	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	3.52	81583.938	8078.273	50.496	49.4	-1.2	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	3.52	166506.953	8133.187	102.363	100.9	0.9	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	3.52	368133.438	7409.911	248.406	249.8	-0.1	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	3.52	618344.250	6437.750	480.249	500.0	-0.0	NO	1.000	NO	bb

Compound name: PFPeS

Coefficient of Determination: R² = 0.999731

Calibration curve: $-9.78357e-005 * x^2 + 1.89977 * x + 0.0158743$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	3.74	72.828	1843.161	0.494	0.3	0.7	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	3.73	143.768	1835.928	0.979	0.5	1.4	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	3.73	279.798	1748.739	2.000	1.0	4.4	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	3.73	545.045	1771.590	3.846	2.0	0.8	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	3.73	1345.205	1799.818	9.343	4.9	-1.8	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	3.73	2591.001	1757.907	18.424	9.7	-3.1	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	3.73	12364.055	1669.899	92.551	48.8	-2.3	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	3.73	24778.982	1672.596	185.184	98.0	-2.0	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	3.72	54192.227	1410.794	480.157	256.1	2.4	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	3.72	88007.063	1194.732	920.782	497.4	-0.5	NO	1.000	NO	bb

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Compound name: PFHpA

Correlation coefficient: $r = 0.999822$, $r^2 = 0.999645$

Calibration curve: $1.50322 * x + 0.134018$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	4.17	480.064	11782.632	0.509	0.2	-0.1	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	4.16	800.487	11643.121	0.859	0.5	-3.5	NO	1.000	NO	db
3	3 181024M2_4	Standard	1.000	4.16	1494.142	11544.644	1.618	1.0	-1.3	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	4.16	2989.166	11447.212	3.264	2.1	4.1	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	4.16	7212.113	11440.245	7.880	5.2	3.1	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	4.16	13340.680	11301.607	14.755	9.7	-2.7	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	4.16	62900.883	10463.774	75.141	49.9	-0.2	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	4.16	121192.563	10173.026	148.914	99.0	-1.0	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	4.15	262540.094	8478.947	387.047	257.4	3.0	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	4.15	432113.344	7275.252	742.437	493.8	-1.2	NO	1.000	NO	bb

Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999025$

Calibration curve: $-8.88113e-005 * x^2 + 2.03379 * x + -0.0817304$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	4.29	50.328	1426.771	0.441	0.3	2.8	NO	0.999	NO	MM
2	2 181024M2_3	Standard	0.500	4.28	111.145	1402.518	0.991	0.5	5.5	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	4.28	205.521	1415.237	1.815	0.9	-6.7	NO	0.999	NO	MM
4	4 181024M2_5	Standard	2.000	4.28	449.796	1411.250	3.984	2.0	-0.0	NO	0.999	NO	MM
5	5 181024M2_6	Standard	5.000	4.28	1075.898	1467.064	9.167	4.5	-9.0	NO	0.999	NO	MM
6	6 181024M2_7	Standard	10.000	4.28	2156.931	1379.866	19.539	9.7	-3.5	NO	0.999	NO	MM
7	7 181024M2_8	Standard	50.000	4.28	10728.980	1406.803	95.331	47.0	-6.0	NO	0.999	NO	MM
8	8 181024M2_9	Standard	100.000	4.28	21703.084	1376.763	197.048	97.3	-2.7	NO	0.999	NO	MM
9	9 181024M2_10	Standard	250.000	4.28	49418.523	1175.218	525.631	261.5	4.6	NO	0.999	NO	MM
10	10 181024M2_11	Standard	500.000	4.28	82675.047	1049.280	984.902	495.0	-1.0	NO	0.999	NO	MM

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Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999393$

Calibration curve: $-0.00392957 * x^2 + 1.26162 * x + 0.0214452$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	4.58	83.984	3237.314	0.324	0.2	-3.9	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	4.57	148.574	3042.064	0.610	0.5	-6.5	NO	0.999	NO	bb
3	3 181024M2_4	Standard	1.000	4.57	333.624	2810.460	1.484	1.2	16.3	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	4.57	579.995	2981.127	2.432	1.9	-3.9	NO	0.999	NO	bb
5	5 181024M2_6	Standard	5.000	4.57	1573.073	2980.955	6.596	5.3	6.0	NO	0.999	NO	bb
6	6 181024M2_7	Standard	10.000	4.57	2868.271	2929.253	12.240	10.0	-0.0	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	4.57	13377.127	3185.974	52.484	49.1	-1.8	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	4.57	26564.773	3805.088	87.267	100.8	0.8	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	4.57	57455.516	4729.836	151.843			NO	0.999	NO	bbXI
10	10 181024M2_11	Standard	500.000	4.56	97958.938	6449.097	189.869			NO	0.999	NO	bbXI

Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999568$

Calibration curve: $-0.000268108 * x^2 + 1.58588 * x + 0.128034$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	4.63	911.882	21726.891	0.525	0.3	0.0	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	4.62	1604.050	20619.129	0.972	0.5	6.5	NO	1.000	NO	MM
3	3 181024M2_4	Standard	1.000	4.62	2913.736	21042.287	1.731	1.0	1.1	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	4.62	5574.832	21520.406	3.238	2.0	-1.9	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	4.62	13277.949	20988.424	7.908	4.9	-1.8	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	4.62	24752.977	19651.143	15.745	9.9	-1.4	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	4.62	115912.992	18682.703	77.554	49.2	-1.5	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	4.62	222984.875	18487.426	150.768	96.6	-3.4	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	4.62	482447.000	15418.992	391.114	257.8	3.1	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	4.62	791661.875	13713.911	721.587	496.6	-0.7	NO	1.000	NO	bb

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Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999273$

Calibration curve: $-0.000200697 * x^2 + 1.01073 * x + -0.0487847$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	4.74	63.423	3912.473	0.203	0.2	-0.5	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	4.73	134.964	3891.227	0.434	0.5	-4.5	NO	0.999	NO	bb
3	3 181024M2_4	Standard	1.000	4.73	299.906	3794.265	0.988	1.0	2.6	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	4.74	653.856	3768.038	2.169	2.2	9.8	NO	0.999	NO	bb
5	5 181024M2_6	Standard	5.000	4.73	1497.300	3820.965	4.898	4.9	-2.0	NO	0.999	NO	bb
6	6 181024M2_7	Standard	10.000	4.73	2897.511	3655.611	9.908	9.9	-1.3	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	4.73	14662.790	3781.318	48.471	48.5	-3.1	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	4.73	28426.701	3737.104	95.083	95.9	-4.1	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	4.73	63191.762	3170.060	249.174	260.0	4.0	NO	0.999	NO	bb
10	10 181024M2_11	Standard	500.000	4.73	102426.180	2835.448	451.543	495.6	-0.9	NO	0.999	NO	bb

Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999939$

Calibration curve: $-5.8641e-005 * x^2 + 1.36394 * x + 0.0702075$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.07	648.643	19763.324	0.410	0.2	-0.3	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	5.05	1178.920	20307.572	0.726	0.5	-3.9	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	5.05	2374.257	19659.199	1.510	1.1	5.5	NO	1.000	NO	dd
4	4 181024M2_5	Standard	2.000	5.05	4514.930	19715.424	2.863	2.0	2.4	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	5.05	10707.014	19221.676	6.963	5.1	1.1	NO	1.000	NO	db
6	6 181024M2_7	Standard	10.000	5.05	20334.504	19259.381	13.198	9.6	-3.7	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	5.05	96824.156	18075.863	66.957	49.1	-1.7	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	5.05	184735.266	17009.725	135.757	99.9	-0.1	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	5.05	383516.188	14087.523	340.298	252.2	0.9	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	5.05	629962.750	11822.278	666.076	499.0	-0.2	NO	1.000	NO	bb

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Compound name: PFOSA

Coefficient of Determination: R² = 0.999518

Calibration curve: -0.000128181 * x² + 1.26055 * x + -0.0039549

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.10	208.541	8181.813	0.319	0.3	2.4	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	5.09	416.941	8532.377	0.611	0.5	-2.5	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	5.09	898.093	8209.384	1.367	1.1	8.8	NO	1.000	NO	bd
4	4 181024M2_5	Standard	2.000	5.09	1683.639	8485.760	2.480	2.0	-1.5	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	5.09	4197.055	8688.211	6.038	4.8	-4.1	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	5.09	8207.294	8094.442	12.674	10.1	0.7	NO	1.000	NO	bd
7	7 181024M2_8	Standard	50.000	5.09	38153.754	7899.923	60.370	48.1	-3.7	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	5.09	73535.406	7564.949	121.507	97.4	-2.6	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	5.09	148899.016	5876.007	316.752	258.1	3.2	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	5.09	236790.828	4980.453	594.300	496.5	-0.7	NO	1.000	NO	bb

Compound name: L-PFOS

Coefficient of Determination: R² = 0.998836

Calibration curve: 1.63016e-005 * x² + 1.1798 * x + -0.0208561

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.15	101.658	3912.473	0.325	0.3	17.2	NO	0.999	NO	MM
2	2 181024M2_3	Standard	0.500	5.14	159.225	3891.227	0.511	0.5	-9.8	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	5.13	312.619	3794.265	1.030	0.9	-10.9	NO	0.999	NO	MM
4	4 181024M2_5	Standard	2.000	5.13	768.418	3768.038	2.549	2.2	8.9	NO	0.999	NO	MM
5	5 181024M2_6	Standard	5.000	5.13	1717.699	3820.965	5.619	4.8	-4.4	NO	0.999	NO	MM
6	6 181024M2_7	Standard	10.000	5.13	3417.505	3655.611	11.686	9.9	-0.8	NO	0.999	NO	MM
7	7 181024M2_8	Standard	50.000	5.13	16203.719	3781.318	53.565	45.4	-9.2	NO	0.999	NO	MM
8	8 181024M2_9	Standard	100.000	5.13	34738.430	3737.104	116.194	98.4	-1.6	NO	0.999	NO	MM
9	9 181024M2_10	Standard	250.000	5.13	78461.156	3170.060	309.384	261.3	4.5	NO	0.999	NO	MM
10	10 181024M2_11	Standard	500.000	5.13	133418.906	2835.448	588.174	495.2	-1.0	NO	0.999	NO	MM

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Compound name: PFDA

Coefficient of Determination: R² = 0.999867

Calibration curve: $-0.000135679 * x^2 + 1.37179 * x + 0.0462963$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.44	692.231	21044.338	0.411	0.3	6.4	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	5.42	1273.901	21552.428	0.739	0.5	1.0	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	5.43	2482.626	21050.273	1.474	1.0	4.1	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	5.42	4734.709	21728.406	2.724	2.0	-2.4	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	5.42	11743.702	21900.332	6.703	4.9	-2.9	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	5.42	21625.990	20764.217	13.019	9.5	-5.3	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	5.42	108277.594	20045.721	67.519	49.4	-1.1	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	5.42	208066.656	19315.346	134.651	99.1	-0.9	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	5.42	446306.125	16425.139	339.652	253.9	1.6	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	5.42	722770.750	13903.881	649.792	498.2	-0.4	NO	1.000	NO	bb

Compound name: 8:2 FTS

Coefficient of Determination: R² = 0.999704

Calibration curve: $-0.00516616 * x^2 + 1.74731 * x - 0.0665655$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.41	58.434	2063.037	0.354	0.2	-3.6	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	5.40	134.246	1994.373	0.841	0.5	4.1	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	5.40	236.915	1921.102	1.542	0.9	-7.7	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	5.40	609.735	2037.856	3.740	2.2	9.6	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	5.39	1502.456	2218.673	8.465	5.0	-0.9	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	5.39	2894.416	2178.926	16.605	9.8	-1.7	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	5.40	13477.067	2257.758	74.615	50.2	0.4	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	5.39	27159.969	2762.109	122.913	99.9	-0.1	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	5.39	60436.617	3767.530	200.518			NO	1.000	NO	bbXI
10	10 181024M2_11	Standard	500.000	5.39	102091.188	5237.964	243.633			NO	1.000	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Compound name: PFNS

Coefficient of Determination: R² = 0.999071

Calibration curve: $-9.53031e-005 * x^2 + 0.868093 * x + -0.0248874$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.49	52.586	3912.473	0.168	0.2	-11.1	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	5.49	136.986	3891.227	0.440	0.5	7.1	NO	0.999	NO	bb
3	3 181024M2_4	Standard	1.000	5.49	270.753	3794.265	0.892	1.1	5.6	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	5.49	526.194	3768.038	1.746	2.0	2.0	NO	0.999	NO	bb
5	5 181024M2_6	Standard	5.000	5.49	1377.728	3820.965	4.507	5.2	4.5	NO	0.999	NO	MM
6	6 181024M2_7	Standard	10.000	5.49	2465.154	3655.611	8.429	9.7	-2.5	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	5.49	12363.388	3781.318	40.870	47.4	-5.3	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	5.49	24695.996	3737.104	82.604	96.2	-3.8	NO	0.999	NO	MM
9	9 181024M2_10	Standard	250.000	5.49	55832.559	3170.060	220.156	261.1	4.4	NO	0.999	NO	bb
10	10 181024M2_11	Standard	500.000	5.48	92211.836	2835.448	406.514	495.2	-1.0	NO	0.999	NO	bb

Compound name: L-MeFOSAA

Coefficient of Determination: R² = 0.999046

Calibration curve: $-0.000423714 * x^2 + 2.45914 * x + -0.142442$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.59	59.547	1300.778	0.572	0.3	16.3	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	5.58	105.508	1492.551	0.884	0.4	-16.5	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	5.58	208.509	1324.046	1.968	0.9	-14.1	NO	0.999	NO	MM
4	4 181024M2_5	Standard	2.000	5.57	511.664	1384.153	4.621	1.9	-3.1	NO	0.999	NO	MM
5	5 181024M2_6	Standard	5.000	5.58	1408.770	1395.579	12.618	5.2	3.9	NO	0.999	NO	MM
6	6 181024M2_7	Standard	10.000	5.57	2681.386	1453.963	23.052	9.4	-5.5	NO	0.999	NO	MM
7	7 181024M2_8	Standard	50.000	5.57	13452.554	1431.591	117.462	48.2	-3.6	NO	0.999	NO	MM
8	8 181024M2_9	Standard	100.000	5.57	26932.752	1449.792	232.212	96.1	-3.9	NO	0.999	NO	MM
9	9 181024M2_10	Standard	250.000	5.57	66414.070	1352.685	613.724	261.4	4.6	NO	0.999	NO	MM
10	10 181024M2_11	Standard	500.000	5.57	118887.219	1335.169	1113.035	494.9	-1.0	NO	0.999	NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Compound name: L-EIFOSAA

Coefficient of Determination: R² = 0.999410

Calibration curve: $8.30214e-005 * x^2 + 1.39854 * x + -0.0402896$

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	5.74	68.752	2304.509	0.373	0.3	18.2	NO	0.999	NO	MM
2	2 181024M2_3	Standard	0.500	5.73	133.337	2470.706	0.675	0.5	2.2	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	5.74	264.285	2241.551	1.474	1.1	8.3	NO	0.999	NO	MM
4	4 181024M2_5	Standard	2.000	5.73	477.621	2514.499	2.374	1.7	-13.7	NO	0.999	NO	MM
5	5 181024M2_6	Standard	5.000	5.73	1325.710	2532.227	6.544	4.7	-5.9	NO	0.999	NO	MM
6	6 181024M2_7	Standard	10.000	5.72	2590.200	2459.546	13.164	9.4	-5.6	NO	0.999	NO	MM
7	7 181024M2_8	Standard	50.000	5.73	12800.035	2391.490	66.904	47.7	-4.5	NO	0.999	NO	MM
8	8 181024M2_9	Standard	100.000	5.72	25991.748	2347.583	138.396	98.4	-1.6	NO	0.999	NO	MM
9	9 181024M2_10	Standard	250.000	5.72	62091.621	2115.656	366.858	258.4	3.4	NO	0.999	NO	MM
10	10 181024M2_11	Standard	500.000	5.72	110507.633	1932.653	714.741	496.5	-0.7	NO	0.999	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFUDa

Coefficient of Determination: R² = 0.999723

Calibration curve: -8.95425e-005 * x² + 1.11498 * x + 0.0984745

Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 181024M2_2	Standard	0.250	5.75	721.019	26625.721	0.338	0.2	-13.9	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	5.75	1472.795	25981.307	0.709	0.5	9.4	NO	1.000	NO	MM
3	3 181024M2_4	Standard	1.000	5.75	2640.668	25761.293	1.281	1.1	6.1	NO	1.000	NO	MM
4	4 181024M2_5	Standard	2.000	5.75	5189.680	26944.299	2.408	2.1	3.6	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	5.75	12154.502	26558.400	5.721	5.0	0.9	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	5.74	22896.525	26225.607	10.913	9.7	-2.9	NO	1.000	NO	MM
7	7 181024M2_8	Standard	50.000	5.75	109533.484	25558.725	53.570	48.1	-3.7	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	5.74	215924.969	24683.453	109.347	98.8	-1.2	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	5.74	468822.563	20979.686	279.331	255.7	2.3	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	5.74	768124.313	18026.217	532.644	497.5	-0.5	NO	1.000	NO	MM

Compound name: PFDS

Coefficient of Determination: R² = 0.999390

Calibration curve: -6.33374e-005 * x² + 1.12133 * x + 0.0134493

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x-excluded
1	1 181024M2_2	Standard	0.250	5.80	113.901	3912.473	0.364	0.3	25.0	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	5.79	146.069	3891.227	0.469	0.4	-18.7	NO	0.999	NO	bb
3	3 181024M2_4	Standard	1.000	5.79	326.531	3794.265	1.076	0.9	-5.3	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	5.79	713.556	3768.038	2.367	2.1	5.0	NO	0.999	NO	bb
5	5 181024M2_6	Standard	5.000	5.79	1716.210	3820.965	5.614	5.0	-0.1	NO	0.999	NO	bb
6	6 181024M2_7	Standard	10.000	5.79	3245.750	3655.611	11.099	9.9	-1.1	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	5.79	15982.672	3781.318	52.834	47.2	-5.5	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	5.79	32680.484	3737.104	109.311	98.0	-2.0	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	5.79	72450.492	3170.060	285.683	258.5	3.4	NO	0.999	NO	bb
10	10 181024M2_11	Standard	500.000	5.79	122706.984	2835.448	540.951	496.3	-0.7	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Compound name: PFDoA

Coefficient of Determination: $R^2 = 0.999397$

Calibration curve: $-0.000304913 * x^2 + 1.52898 * x + 0.0755904$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	6.04	848.240	22543.508	0.470	0.3	3.3	NO	0.999	NO	MM
2	2 181024M2_3	Standard	0.500	6.03	1454.844	21622.387	0.841	0.5	0.1	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	6.02	2794.737	21832.156	1.600	1.0	-0.3	NO	0.999	NO	MM
4	4 181024M2_5	Standard	2.000	6.02	5617.448	22069.939	3.182	2.0	1.6	NO	0.999	NO	db
5	5 181024M2_6	Standard	5.000	6.02	13347.809	21914.076	7.614	4.9	-1.3	NO	0.999	NO	db
6	6 181024M2_7	Standard	10.000	6.02	25982.182	21686.029	14.976	9.8	-2.4	NO	0.999	NO	db
7	7 181024M2_8	Standard	50.000	6.02	124868.156	20289.057	76.931	50.8	1.6	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	6.02	243515.938	21377.252	142.392	94.9	-5.1	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	6.02	546183.063	18254.982	373.996	257.8	3.1	NO	0.999	NO	bb
10	10 181024M2_11	Standard	500.000	6.02	915546.500	16722.420	684.371	496.8	-0.6	NO	0.999	NO	bb

Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999699$

Calibration curve: $-0.000130664 * x^2 + 1.25122 * x + 0.24391$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	1.250	5.90	257.716	23730.133	1.629	1.1	-11.4	NO	1.000	NO	bb
2	2 181024M2_3	Standard	2.500	5.89	526.581	25156.982	3.140	2.3	-7.4	NO	1.000	NO	bb
3	3 181024M2_4	Standard	5.000	5.89	1135.775	24554.418	6.938	5.4	7.1	NO	1.000	NO	bb
4	4 181024M2_5	Standard	10.000	5.89	2339.659	24173.230	14.518	11.4	14.2	NO	1.000	NO	bb
5	5 181024M2_6	Standard	25.000	5.89	5498.913	24503.824	33.662	26.8	7.1	NO	1.000	NO	bb
6	6 181024M2_7	Standard	50.000	5.89	10485.710	23616.152	66.601	53.3	6.7	NO	1.000	NO	bb
7	7 181024M2_8	Standard	250.000	5.89	47581.391	23418.766	304.765	249.9	-0.0	NO	1.000	NO	bb
8	8 181024M2_9	Standard	500.000	5.89	93300.617	23443.459	596.972	503.4	0.7	NO	1.000	NO	bb
9	9 181024M2_10	Standard	1250.000	5.89	191123.859	21423.363	1338.192	1226.4	-1.9	NO	1.000	NO	bb
10	10 181024M2_11	Standard	2500.000	5.89	298618.625	19292.742	2321.743	2517.0	0.7	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999235$

Calibration curve: $-0.000359645 * x^2 + 1.50918 * x + 0.00174109$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	6.27	770.310	22543.508	0.427	0.3	12.8	NO	0.999	NO	bb
2	2 181024M2_3	Standard	0.500	6.26	1210.706	21622.387	0.700	0.5	-7.5	NO	0.999	NO	MM
3	3 181024M2_4	Standard	1.000	6.26	2711.556	21832.156	1.553	1.0	2.8	NO	0.999	NO	bb
4	4 181024M2_5	Standard	2.000	6.26	5247.953	22069.939	2.972	2.0	-1.5	NO	0.999	NO	MM
5	5 181024M2_6	Standard	5.000	6.26	13365.568	21914.076	7.624	5.1	1.1	NO	0.999	NO	bb
6	6 181024M2_7	Standard	10.000	6.26	24714.395	21686.029	14.246	9.5	-5.4	NO	0.999	NO	bb
7	7 181024M2_8	Standard	50.000	6.26	120407.703	20289.057	74.183	49.7	-0.5	NO	0.999	NO	bb
8	8 181024M2_9	Standard	100.000	6.26	240085.188	21377.252	140.386	95.2	-4.8	NO	0.999	NO	bb
9	9 181024M2_10	Standard	250.000	6.26	537500.500	18254.982	368.051	260.0	4.0	NO	0.999	NO	bb
10	10 181024M2_11	Standard	500.000	6.26	882285.313	16722.420	659.508	495.5	-0.9	NO	0.999	NO	bb

Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999872$

Calibration curve: $-0.000263022 * x^2 + 1.82478 * x + 0.108216$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	6.48	629.231	15810.448	0.497	0.2	-14.7	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	6.48	1270.191	14735.966	1.077	0.5	6.2	NO	1.000	NO	MM
3	3 181024M2_4	Standard	1.000	6.48	2389.585	15055.122	1.984	1.0	2.8	NO	1.000	NO	MM
4	4 181024M2_5	Standard	2.000	6.47	4822.078	15199.440	3.966	2.1	5.7	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	6.47	11008.786	14766.062	9.319	5.1	1.0	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	6.47	21582.465	14669.325	18.391	10.0	0.3	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	6.47	103131.719	14284.938	90.245	49.8	-0.5	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	6.47	207298.469	14705.521	176.208	97.9	-2.1	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	6.47	466227.625	13071.077	445.858	253.5	1.4	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	6.47	773189.750	11443.976	844.538	498.6	-0.3	NO	1.000	NO	bb

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Compound name: N-EtFOSA

Coefficient of Determination: R² = 0.999874

Calibration curve: $-5.64953e-005 * x^2 + 1.02764 * x + 0.268723$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	1.250	6.36	296.765	32559.551	1.367	1.1	-14.5	NO	1.000	NO	bb
2	2 181024M2_3	Standard	2.500	6.34	640.944	34046.195	2.824	2.5	-0.5	NO	1.000	NO	bb
3	3 181024M2_4	Standard	5.000	6.34	1288.618	33619.941	5.749	5.3	6.7	NO	1.000	NO	bb
4	4 181024M2_5	Standard	10.000	6.34	2460.925	34539.590	10.687	10.1	1.4	NO	1.000	NO	bb
5	5 181024M2_6	Standard	25.000	6.34	6114.929	33171.781	27.651	26.7	6.7	NO	1.000	NO	bb
6	6 181024M2_7	Standard	50.000	6.34	11394.885	33204.945	51.475	50.0	-0.1	NO	1.000	NO	bb
7	7 181024M2_8	Standard	250.000	6.34	53709.578	31892.838	252.610	249.0	-0.4	NO	1.000	NO	bb
8	8 181024M2_9	Standard	500.000	6.34	103210.227	30480.564	507.915	508.2	1.6	NO	1.000	NO	bb
9	9 181024M2_10	Standard	1250.000	6.34	204625.438	25973.207	1181.749	1233.3	-1.3	NO	1.000	NO	bb
10	10 181024M2_11	Standard	2500.000	6.34	321112.625	21675.764	2222.154	2507.9	0.3	NO	1.000	NO	bb

Compound name: PFHxDA

Coefficient of Determination: R² = 0.999861

Calibration curve: $-0.000144337 * x^2 + 0.487981 * x + 0.0549056$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	6.80	235.450	7576.544	0.155	0.2	-17.6	NO	1.000	NO	MM
2	2 181024M2_3	Standard	0.500	6.80	397.880	7117.294	0.280	0.5	-7.9	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	6.80	895.829	7299.920	0.614	1.1	14.5	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	6.80	1582.461	7416.096	1.067	2.1	3.8	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	6.80	3899.826	7379.690	2.642	5.3	6.2	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	6.80	7138.583	7127.372	5.008	10.2	1.8	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	6.80	34026.816	7003.393	24.293	50.4	0.8	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	6.80	68609.063	7380.258	46.481	98.0	-2.0	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	6.80	153177.094	6744.860	113.551	251.3	0.5	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	6.80	260577.141	6268.010	207.863	499.7	-0.1	NO	1.000	NO	bb

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Compound name: PFODA

Coefficient of Determination: R² = 0.999902

Calibration curve: $-0.000307854 * x^2 + 0.965225 * x + 0.0245595$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	0.250	7.03	404.023	7576.544	0.267	0.3	0.3	NO	1.000	NO	bb
2	2 181024M2_3	Standard	0.500	7.02	737.518	7117.294	0.518	0.5	2.3	NO	1.000	NO	bb
3	3 181024M2_4	Standard	1.000	7.02	1503.014	7299.920	1.029	1.0	4.1	NO	1.000	NO	bb
4	4 181024M2_5	Standard	2.000	7.02	3041.193	7416.096	2.050	2.1	5.0	NO	1.000	NO	bb
5	5 181024M2_6	Standard	5.000	7.02	7045.102	7379.690	4.773	4.9	-1.4	NO	1.000	NO	bb
6	6 181024M2_7	Standard	10.000	7.02	13815.854	7127.372	9.692	10.0	0.5	NO	1.000	NO	bb
7	7 181024M2_8	Standard	50.000	7.02	66904.328	7003.393	47.766	50.3	0.5	NO	1.000	NO	bb
8	8 181024M2_9	Standard	100.000	7.02	135272.219	7380.258	91.645	98.0	-2.0	NO	1.000	NO	bb
9	9 181024M2_10	Standard	250.000	7.02	302589.125	6744.860	224.311	252.7	1.1	NO	1.000	NO	bb
10	10 181024M2_11	Standard	500.000	7.02	507586.344	6268.010	404.902	498.8	-0.2	NO	1.000	NO	bb

Compound name: N-MeFOSE

Coefficient of Determination: R² = 0.999836

Calibration curve: $-7.12233e-006 * x^2 + 1.13244 * x + 0.246067$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	1.250	6.62	329.787	28722.836	1.722	1.3	4.3	NO	1.000	NO	bb
2	2 181024M2_3	Standard	2.500	6.60	645.443	30120.150	3.214	2.6	4.8	NO	1.000	NO	bb
3	3 181024M2_4	Standard	5.000	6.61	1164.889	29892.322	5.845	4.9	-1.1	NO	1.000	NO	bb
4	4 181024M2_5	Standard	10.000	6.60	2351.165	29755.400	11.852	10.2	2.5	NO	1.000	NO	bb
5	5 181024M2_6	Standard	25.000	6.60	5291.964	29363.027	27.034	23.7	-5.4	NO	1.000	NO	bb
6	6 181024M2_7	Standard	50.000	6.60	10649.775	29029.395	55.029	48.4	-3.2	NO	1.000	NO	bb
7	7 181024M2_8	Standard	250.000	6.60	52568.016	28720.313	274.551	242.6	-3.0	NO	1.000	NO	bb
8	8 181024M2_9	Standard	500.000	6.60	107781.180	28701.785	563.281	498.8	-0.2	NO	1.000	NO	bb
9	9 181024M2_10	Standard	1250.000	6.60	250427.172	26310.711	1427.710	1270.7	1.7	NO	1.000	NO	bb
10	10 181024M2_11	Standard	2500.000	6.60	451051.844	24368.143	2776.485	2490.6	-0.4	NO	1.000	NO	bb

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Compound name: N-EtFOSE

Coefficient of Determination: R² = 0.999958

Calibration curve: -1.87286e-006 * x² + 1.35318 * x + 0.278906

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	1.250	6.76	318.654	26370.877	1.813	1.1	-9.3	NO	1.000	NO	bb
2	2 181024M2_3	Standard	2.500	6.76	657.497	27277.600	3.616	2.5	-1.4	NO	1.000	NO	bb
3	3 181024M2_4	Standard	5.000	6.76	1302.482	26830.998	7.282	5.2	3.5	NO	1.000	NO	bb
4	4 181024M2_5	Standard	10.000	6.76	2650.355	26956.990	14.748	10.7	6.9	NO	1.000	NO	bb
5	5 181024M2_6	Standard	25.000	6.76	6148.283	26604.480	34.665	25.4	1.6	NO	1.000	NO	bb
6	6 181024M2_7	Standard	50.000	6.75	11800.866	26156.668	67.674	49.8	-0.4	NO	1.000	NO	bb
7	7 181024M2_8	Standard	250.000	6.76	59359.340	26462.750	336.469	248.5	-0.6	NO	1.000	NO	bb
8	8 181024M2_9	Standard	500.000	6.75	118855.172	26611.467	669.947	495.2	-1.0	NO	1.000	NO	bb
9	9 181024M2_10	Standard	1250.000	6.75	278139.531	24538.840	1700.200	1258.4	0.7	NO	1.000	NO	bb
10	10 181024M2_11	Standard	2500.000	6.75	486363.813	21665.480	3367.319	2496.9	-0.1	NO	1.000	NO	bb

Compound name: 13C3-PFBA

Response Factor: 0.739239

RRF SD: 0.0081022, Relative SD: 1.09602

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	1.40	11179.151	15172.237	9.210	12.5	-0.3	NO		NO	bb
2	2 181024M2_3	Standard	12.500	1.39	11276.996	15123.687	9.321	12.6	0.9	NO		NO	bb
3	3 181024M2_4	Standard	12.500	1.39	10852.444	14597.498	9.293	12.6	0.6	NO		NO	bb
4	4 181024M2_5	Standard	12.500	1.39	11258.066	15023.443	9.367	12.7	1.4	NO		NO	bb
5	5 181024M2_6	Standard	12.500	1.39	11087.302	15134.297	9.157	12.4	-0.9	NO		NO	bb
6	6 181024M2_7	Standard	12.500	1.38	10831.201	14595.818	9.276	12.5	0.4	NO		NO	bb
7	7 181024M2_8	Standard	12.500	1.38	10811.083	14912.738	9.062	12.3	-1.9	NO		NO	bb
8	8 181024M2_9	Standard	12.500	1.38	11060.165	14937.431	9.255	12.5	0.2	NO		NO	bb
9	9 181024M2_10	Standard	12.500	1.38	9919.592	13598.804	9.118	12.3	-1.3	NO		NO	bb
10	10 181024M2_11	Standard	12.500	1.38	8907.035	11914.045	9.345	12.6	1.1	NO		NO	bb

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Compound name: 13C3-PFPeA

Response Factor: 0.587017

RRF SD: 0.00917348, Relative SD: 1.56273

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	2.65	13012.966	22177.086	7.335	12.5	-0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	2.64	13217.507	21873.082	7.554	12.9	2.9	NO		NO	MM
3	3 181024M2_4	Standard	12.500	2.64	12712.551	21502.172	7.390	12.6	0.7	NO		NO	bb
4	4 181024M2_5	Standard	12.500	2.64	12896.931	21480.602	7.505	12.8	2.3	NO		NO	bb
5	5 181024M2_6	Standard	12.500	2.64	12851.454	21902.338	7.335	12.5	-0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	2.63	12417.012	21472.480	7.228	12.3	-1.5	NO		NO	bb
7	7 181024M2_8	Standard	12.500	2.64	12085.400	20847.283	7.246	12.3	-1.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	2.63	11816.134	20415.088	7.235	12.3	-1.4	NO		NO	bb
9	9 181024M2_10	Standard	12.500	2.63	10470.890	18074.666	7.241	12.3	-1.3	NO		NO	bb
10	10 181024M2_11	Standard	12.500	2.63	8882.959	15193.970	7.308	12.4	-0.4	NO		NO	bb

Compound name: 13C3-PFBS

Response Factor: 0.488493

RRF SD: 0.022372, Relative SD: 4.5798

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	2.97	1843.161	3634.424	6.339	13.0	3.8	NO		NO	MM
2	2 181024M2_3	Standard	12.500	2.96	1835.928	3690.073	6.219	12.7	1.9	NO		NO	bb
3	3 181024M2_4	Standard	12.500	2.96	1748.739	3398.206	6.433	13.2	5.3	NO		NO	bb
4	4 181024M2_5	Standard	12.500	2.96	1771.590	3605.107	6.143	12.6	0.6	NO		NO	bb
5	5 181024M2_6	Standard	12.500	2.96	1799.818	3544.905	6.346	13.0	3.9	NO		NO	bb
6	6 181024M2_7	Standard	12.500	2.96	1757.907	3614.623	6.079	12.4	-0.4	NO		NO	bb
7	7 181024M2_8	Standard	12.500	2.96	1669.899	3559.524	5.864	12.0	-4.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	2.96	1672.596	3639.225	5.745	11.8	-5.9	NO		NO	bb
9	9 181024M2_10	Standard	12.500	2.95	1410.794	3145.094	5.607	11.5	-8.2	NO		NO	MM
10	10 181024M2_11	Standard	12.500	2.95	1194.732	2375.754	6.286	12.9	2.9	NO		NO	bb

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Compound name: 13C2-4:2 FTS

Response Factor: 0.893536

RRF SD: 0.0705782, Relative SD: 7.89875

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	3.44	3153.791	3634.424	10.847	12.1	-2.9	NO		NO	bb
2	2 181024M2_3	Standard	12.500	3.44	3170.642	3690.073	10.740	12.0	-3.8	NO		NO	bb
3	3 181024M2_4	Standard	12.500	3.44	3066.179	3398.206	11.279	12.6	1.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	3.43	3011.354	3605.107	10.441	11.7	-6.5	NO		NO	bb
5	5 181024M2_6	Standard	12.500	3.43	3105.040	3544.905	10.949	12.3	-2.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	3.43	2999.353	3614.623	10.372	11.6	-7.1	NO		NO	bb
7	7 181024M2_8	Standard	12.500	3.43	3310.411	3559.524	11.625	13.0	4.1	NO		NO	bb
8	8 181024M2_9	Standard	12.500	3.43	3813.851	3639.225	13.100	14.7	17.3	NO		NO	bb
9	9 181024M2_10	Standard	12.500	3.43	4673.864	3145.094	18.576	20.8	66.3	NO		NO	bbX
10	10 181024M2_11	Standard	12.500	3.43	6079.612	2375.754	31.988	35.8	186.4	NO		NO	bbX

Compound name: 13C2-PFHxA

Response Factor: 1.00179

RRF SD: 0.0277111, Relative SD: 2.76615

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	5.000	3.53	8621.301	22177.086	4.859	4.9	-3.0	NO		NO	bb
2	2 181024M2_3	Standard	5.000	3.52	8879.516	21873.082	5.074	5.1	1.3	NO		NO	bb
3	3 181024M2_4	Standard	5.000	3.52	8423.860	21502.172	4.897	4.9	-2.2	NO		NO	bb
4	4 181024M2_5	Standard	5.000	3.52	8736.476	21480.602	5.084	5.1	1.5	NO		NO	bb
5	5 181024M2_6	Standard	5.000	3.52	8689.358	21902.338	4.959	5.0	-1.0	NO		NO	bb
6	6 181024M2_7	Standard	5.000	3.52	8539.579	21472.480	4.971	5.0	-0.8	NO		NO	bb
7	7 181024M2_8	Standard	5.000	3.52	8078.273	20847.283	4.844	4.8	-3.3	NO		NO	bb
8	8 181024M2_9	Standard	5.000	3.52	8133.187	20415.088	4.980	5.0	-0.6	NO		NO	bb
9	9 181024M2_10	Standard	5.000	3.52	7409.911	18074.666	5.125	5.1	2.3	NO		NO	bb
10	10 181024M2_11	Standard	5.000	3.52	6437.750	15193.970	5.296	5.3	5.7	NO		NO	bb

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Compound name: 13C4-PFHpA

Response Factor: 0.513024

RRF SD: 0.0244337, Relative SD: 4.76268

Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.17	11782.632	22177.086	6.641	12.9	3.6	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.16	11643.121	21873.082	6.654	13.0	3.8	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.16	11544.644	21502.172	6.711	13.1	4.7	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.16	11447.212	21480.602	6.661	13.0	3.9	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.16	11440.245	21902.338	6.529	12.7	1.8	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.15	11301.607	21472.480	6.579	12.8	2.6	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.16	10463.774	20847.283	6.274	12.2	-2.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.16	10173.026	20415.088	6.229	12.1	-2.9	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.15	8478.947	18074.666	5.864	11.4	-8.6	NO		NO	bb
10	10 181024M2_11	Standard	12.500	4.15	7275.252	15193.970	5.985	11.7	-6.7	NO		NO	bb

Compound name: 18O2-PFHxS

Response Factor: 0.396503

RRF SD: 0.0213991, Relative SD: 5.39695

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.29	1426.771	3634.424	4.907	12.4	-1.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.28	1402.518	3690.073	4.751	12.0	-4.1	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.28	1415.237	3398.206	5.206	13.1	5.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.28	1411.250	3605.107	4.893	12.3	-1.3	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.28	1467.064	3544.905	5.173	13.0	4.4	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.28	1379.866	3614.623	4.772	12.0	-3.7	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.28	1406.803	3559.524	4.940	12.5	-0.3	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.28	1376.763	3639.225	4.729	11.9	-4.6	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.28	1175.218	3145.094	4.671	11.8	-5.8	NO		NO	bb
10	10 181024M2_11	Standard	12.500	4.27	1049.280	2375.754	5.521	13.9	11.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Compound name: 13C2-6:2 FTS

Response Factor: 0.845927
 RRF SD: 0.0834139, Relative SD: 9.86065
 Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.58	3237.314	3684.447	10.983	13.0	3.9	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.57	3042.064	3767.516	10.093	11.9	-4.5	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.57	2810.460	3659.165	9.601	11.3	-9.2	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.57	2981.127	3694.032	10.088	11.9	-4.6	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.57	2980.955	3689.734	10.099	11.9	-4.5	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.57	2929.253	3595.334	10.184	12.0	-3.7	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.57	3185.974	3759.077	10.594	12.5	0.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.57	3805.088	3672.608	12.951	15.3	22.5	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.57	4729.836	3243.650	18.227	21.5	72.4	NO		NO	bbX
10	10 181024M2_11	Standard	12.500	4.56	6449.097	2756.127	29.249	34.6	176.6	NO		NO	MMX

Compound name: 13C2-PFOA

Response Factor: 0.720047
 RRF SD: 0.0151921, Relative SD: 2.10988
 Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.63	21726.891	30230.592	8.984	12.5	-0.2	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.62	20619.129	28815.633	8.944	12.4	-0.6	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.62	21042.287	29506.760	8.914	12.4	-1.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.62	21520.406	28793.775	9.342	13.0	3.8	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.62	20988.424	29338.598	8.942	12.4	-0.6	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.62	19651.143	27420.068	8.958	12.4	-0.5	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.62	18682.703	26841.344	8.701	12.1	-3.3	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.62	18487.426	25703.588	8.991	12.5	-0.1	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.62	15418.992	21606.793	8.920	12.4	-0.9	NO		NO	bb
10	10 181024M2_11	Standard	12.500	4.62	13713.911	18415.217	9.309	12.9	3.4	NO		NO	bb

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Compound name: 13C5-PFNA

Response Factor: 0.968779
 RRF SD: 0.0285508, Relative SD: 2.94709
 Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.07	19763.324	20539.646	12.028	12.4	-0.7	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.05	20307.572	20076.053	12.644	13.1	4.4	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.05	19659.199	19883.506	12.359	12.8	2.1	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.05	19715.424	20519.574	12.010	12.4	-0.8	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.05	19221.676	20932.920	11.478	11.8	-5.2	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.05	19259.381	19741.137	12.195	12.6	0.7	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.05	18075.863	19215.072	11.759	12.1	-2.9	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.05	17009.725	17635.785	12.056	12.4	-0.4	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.05	14087.523	14702.905	11.977	12.4	-1.1	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.05	11822.278	11736.351	12.592	13.0	4.0	NO		NO	bb

Compound name: 13C8-PFOSA

Response Factor: 0.295549
 RRF SD: 0.0158336, Relative SD: 5.35737
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.10	8181.813	28432.514	3.597	12.2	-2.6	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.09	8532.377	27355.570	3.899	13.2	5.5	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.09	8209.384	26381.391	3.890	13.2	5.3	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.09	8485.760	28068.568	3.779	12.8	2.3	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.09	8688.211	27870.115	3.897	13.2	5.5	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.09	8094.442	27035.832	3.742	12.7	1.3	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.09	7899.923	26296.328	3.755	12.7	1.6	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.09	7564.949	26119.014	3.620	12.2	-2.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.09	5876.007	22141.387	3.317	11.2	-10.2	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.08	4980.453	18062.203	3.447	11.7	-6.7	NO		NO	bb

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Compound name: 13C8-PFOS

Response Factor: 1.02336
 RRF SD: 0.0222345, Relative SD: 2.1727
 Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.15	3912.473	3684.447	13.274	13.0	3.8	NO		NO	MM
2	2 181024M2_3	Standard	12.500	5.13	3891.227	3767.516	12.910	12.6	0.9	NO		NO	MM
3	3 181024M2_4	Standard	12.500	5.13	3794.265	3659.165	12.962	12.7	1.3	NO		NO	MM
4	4 181024M2_5	Standard	12.500	5.13	3768.038	3694.032	12.750	12.5	-0.3	NO		NO	MM
5	5 181024M2_6	Standard	12.500	5.13	3820.965	3689.734	12.945	12.6	1.2	NO		NO	MM
6	6 181024M2_7	Standard	12.500	5.13	3655.611	3595.334	12.710	12.4	-0.6	NO		NO	MM
7	7 181024M2_8	Standard	12.500	5.13	3781.318	3759.077	12.574	12.3	-1.7	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.13	3737.104	3672.608	12.720	12.4	-0.6	NO		NO	MM
9	9 181024M2_10	Standard	12.500	5.13	3170.060	3243.650	12.216	11.9	-4.5	NO		NO	MM
10	10 181024M2_11	Standard	12.500	5.13	2835.448	2756.127	12.860	12.6	0.5	NO		NO	MM

Compound name: 13C2-PFDA

Response Factor: 1.04002
 RRF SD: 0.0288218, Relative SD: 2.77126
 Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.44	21044.338	20734.572	12.687	12.2	-2.4	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.43	21552.428	19644.879	13.714	13.2	5.5	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.43	21050.273	20544.811	12.808	12.3	-1.5	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.42	21728.406	20452.045	13.280	12.8	2.2	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.42	21900.332	20861.809	13.122	12.6	0.9	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.42	20764.217	20162.709	12.873	12.4	-1.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.42	20045.721	19936.945	12.568	12.1	-3.3	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.42	19315.346	19148.529	12.609	12.1	-3.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.42	16425.139	15694.320	13.082	12.6	0.6	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.43	13903.881	13106.552	13.260	12.8	2.0	NO		NO	bb

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Compound name: 13C2-8:2 FTS

Response Factor: 0.590752

RRF SD: 0.0727415, Relative SD: 12.3134

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.41	2063.037	3684.447	6.999	11.8	-5.2	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.40	1994.373	3767.516	6.617	11.2	-10.4	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.40	1921.102	3659.165	6.563	11.1	-11.1	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.40	2037.856	3694.032	6.896	11.7	-6.6	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.40	2218.673	3689.734	7.516	12.7	1.8	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.39	2178.926	3595.334	7.576	12.8	2.6	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.39	2257.758	3759.077	7.508	12.7	1.7	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.39	2762.109	3672.608	9.401	15.9	27.3	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.39	3767.530	3243.650	14.519	24.6	96.6	NO		NO	bbX
10	10 181024M2_11	Standard	12.500	5.39	5237.964	2756.127	23.756	40.2	221.7	NO		NO	bbX

Compound name: d3-N-MeFOSAA

Response Factor: 0.0548628

RRF SD: 0.00790568, Relative SD: 14.4099

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.58	1300.778	28432.514	0.572	10.4	-16.6	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.57	1492.551	27355.570	0.682	12.4	-0.5	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.57	1324.046	26381.391	0.627	11.4	-8.5	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.57	1384.153	28068.568	0.616	11.2	-10.1	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.57	1395.579	27870.115	0.626	11.4	-8.7	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.57	1453.963	27035.832	0.672	12.3	-2.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.57	1431.591	26296.328	0.681	12.4	-0.8	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.57	1449.792	26119.014	0.694	12.6	1.2	NO		NO	MM
9	9 181024M2_10	Standard	12.500	5.57	1352.685	22141.387	0.764	13.9	11.4	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.57	1335.169	18062.203	0.924	16.8	34.7	NO		NO	bb

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Compound name: 13C2-PFUdA

Response Factor: 0.960815

RRF SD: 0.0183846, Relative SD: 1.91343

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.75	26625.721	28432.514	11.706	12.2	-2.5	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.75	25981.307	27355.570	11.872	12.4	-1.2	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.75	25761.293	26381.391	12.206	12.7	1.6	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.75	26944.299	28068.568	11.999	12.5	-0.1	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.75	26558.400	27870.115	11.912	12.4	-0.8	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.74	26225.607	27035.832	12.125	12.6	1.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.75	25558.725	26296.328	12.149	12.6	1.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.74	24683.453	26119.014	11.813	12.3	-1.6	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.74	20979.686	22141.387	11.844	12.3	-1.4	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.74	18026.217	18062.203	12.475	13.0	3.9	NO		NO	bb

Compound name: d5-N-EtFOSAA

Response Factor: 0.0911129

RRF SD: 0.00679622, Relative SD: 7.45911

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.73	2304.509	28432.514	1.013	11.1	-11.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.72	2470.706	27355.570	1.129	12.4	-0.9	NO		NO	db
3	3 181024M2_4	Standard	12.500	5.72	2241.551	26381.391	1.062	11.7	-6.7	NO		NO	MM
4	4 181024M2_5	Standard	12.500	5.72	2514.499	28068.568	1.120	12.3	-1.7	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.72	2532.227	27870.115	1.136	12.5	-0.3	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.72	2459.546	27035.832	1.137	12.5	-0.2	NO		NO	MM
7	7 181024M2_8	Standard	12.500	5.72	2391.490	26296.328	1.137	12.5	-0.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.72	2347.583	26119.014	1.124	12.3	-1.4	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.72	2115.656	22141.387	1.194	13.1	4.9	NO		NO	MM
10	10 181024M2_11	Standard	12.500	5.72	1932.653	18062.203	1.337	14.7	17.4	NO		NO	bb

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Compound name: 13C2-PFDoA

Response Factor: 1.10288

RRF SD: 0.0722167, Relative SD: 6.54803

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	6.04	22543.508	20734.572	13.591	12.3	-1.4	NO		NO	bb
2	2 181024M2_3	Standard	12.500	6.02	21622.387	19644.879	13.758	12.5	-0.2	NO		NO	bb
3	3 181024M2_4	Standard	12.500	6.02	21832.156	20544.811	13.283	12.0	-3.6	NO		NO	bb
4	4 181024M2_5	Standard	12.500	6.02	22069.939	20452.045	13.489	12.2	-2.2	NO		NO	bb
5	5 181024M2_6	Standard	12.500	6.02	21914.076	20861.809	13.130	11.9	-4.8	NO		NO	bb
6	6 181024M2_7	Standard	12.500	6.02	21686.029	20162.709	13.444	12.2	-2.5	NO		NO	bb
7	7 181024M2_8	Standard	12.500	6.02	20289.057	19936.945	12.721	11.5	-7.7	NO		NO	bb
8	8 181024M2_9	Standard	12.500	6.02	21377.252	19148.529	13.955	12.7	1.2	NO		NO	bb
9	9 181024M2_10	Standard	12.500	6.02	18254.982	15694.320	14.539	13.2	5.5	NO		NO	bb
10	10 181024M2_11	Standard	12.500	6.02	16722.420	13106.552	15.949	14.5	15.7	NO		NO	bb

Compound name: d3-N-MeFOSA

Response Factor: 0.0760231

RRF SD: 0.00553217, Relative SD: 7.27696

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	150.000	5.93	23730.133	28432.514	10.433	137.2	-8.5	NO		NO	bb
2	2 181024M2_3	Standard	150.000	5.92	25156.982	27355.570	11.495	151.2	0.8	NO		NO	bb
3	3 181024M2_4	Standard	150.000	5.92	24554.418	26381.391	11.634	153.0	2.0	NO		NO	bb
4	4 181024M2_5	Standard	150.000	5.92	24173.230	28068.568	10.765	141.6	-5.6	NO		NO	bb
5	5 181024M2_6	Standard	150.000	5.92	24503.824	27870.115	10.990	144.6	-3.6	NO		NO	bb
6	6 181024M2_7	Standard	150.000	5.92	23616.152	27035.832	10.919	143.6	-4.2	NO		NO	bb
7	7 181024M2_8	Standard	150.000	5.92	23418.766	26296.328	11.132	146.4	-2.4	NO		NO	bb
8	8 181024M2_9	Standard	150.000	5.92	23443.459	26119.014	11.220	147.6	-1.6	NO		NO	bb
9	9 181024M2_10	Standard	150.000	5.92	21423.363	22141.387	12.095	159.1	6.1	NO		NO	bb
10	10 181024M2_11	Standard	150.000	5.92	19292.742	18062.203	13.352	175.6	17.1	NO		NO	bb

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Compound name: 13C2-PFTeDA

Response Factor: 0.560952

RRF SD: 0.031193, Relative SD: 5.56072

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	6.48	15810.448	28432.514	6.951	12.4	-0.9	NO		NO	bb
2	2 181024M2_3	Standard	12.500	6.48	14735.966	27355.570	6.734	12.0	-4.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	6.48	15055.122	26381.391	7.133	12.7	1.7	NO		NO	bb
4	4 181024M2_5	Standard	12.500	6.47	15199.440	28068.568	6.769	12.1	-3.5	NO		NO	bb
5	5 181024M2_6	Standard	12.500	6.47	14766.062	27870.115	6.623	11.8	-5.6	NO		NO	bb
6	6 181024M2_7	Standard	12.500	6.47	14669.325	27035.832	6.782	12.1	-3.3	NO		NO	bb
7	7 181024M2_8	Standard	12.500	6.47	14284.938	26296.328	6.790	12.1	-3.2	NO		NO	bb
8	8 181024M2_9	Standard	12.500	6.47	14705.521	26119.014	7.038	12.5	0.4	NO		NO	bb
9	9 181024M2_10	Standard	12.500	6.47	13071.077	22141.387	7.379	13.2	5.2	NO		NO	bb
10	10 181024M2_11	Standard	12.500	6.47	11443.976	18062.203	7.920	14.1	12.9	NO		NO	bb

Compound name: d5-N-ETFOSA

Response Factor: 0.10055

RRF SD: 0.00327439, Relative SD: 3.25648

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	150.000	6.37	32559.551	28432.514	14.314	142.4	-5.1	NO		NO	bb
2	2 181024M2_3	Standard	150.000	6.36	34046.195	27355.570	15.557	154.7	3.1	NO		NO	bb
3	3 181024M2_4	Standard	150.000	6.36	33619.941	26381.391	15.930	158.4	5.6	NO		NO	bb
4	4 181024M2_5	Standard	150.000	6.36	34539.590	28068.568	15.382	153.0	2.0	NO		NO	bb
5	5 181024M2_6	Standard	150.000	6.36	33171.781	27870.115	14.878	148.0	-1.4	NO		NO	bb
6	6 181024M2_7	Standard	150.000	6.36	33204.945	27035.832	15.352	152.7	1.8	NO		NO	bb
7	7 181024M2_8	Standard	150.000	6.36	31892.838	26296.328	15.160	150.8	0.5	NO		NO	bb
8	8 181024M2_9	Standard	150.000	6.36	30480.564	26119.014	14.587	145.1	-3.3	NO		NO	bb
9	9 181024M2_10	Standard	150.000	6.36	25973.207	22141.387	14.663	145.8	-2.8	NO		NO	bb
10	10 181024M2_11	Standard	150.000	6.36	21675.764	18062.203	15.001	149.2	-0.5	NO		NO	bb

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Compound name: 13C2-PFHxDA

Response Factor: 0.699132

RRF SD: 0.0678355, Relative SD: 9.70282

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	5.000	6.80	7576.544	28432.514	3.331	4.8	-4.7	NO		NO	bb
2	2 181024M2_3	Standard	5.000	6.80	7117.294	27355.570	3.252	4.7	-7.0	NO		NO	bb
3	3 181024M2_4	Standard	5.000	6.80	7299.920	26381.391	3.459	4.9	-1.1	NO		NO	bb
4	4 181024M2_5	Standard	5.000	6.80	7416.096	28068.568	3.303	4.7	-5.5	NO		NO	bb
5	5 181024M2_6	Standard	5.000	6.80	7379.690	27870.115	3.310	4.7	-5.3	NO		NO	bb
6	6 181024M2_7	Standard	5.000	6.80	7127.372	27035.832	3.295	4.7	-5.7	NO		NO	bb
7	7 181024M2_8	Standard	5.000	6.80	7003.393	26296.328	3.329	4.8	-4.8	NO		NO	bb
8	8 181024M2_9	Standard	5.000	6.80	7380.258	26119.014	3.532	5.1	1.0	NO		NO	bb
9	9 181024M2_10	Standard	5.000	6.80	6744.860	22141.387	3.808	5.4	8.9	NO		NO	bb
10	10 181024M2_11	Standard	5.000	6.80	6268.010	18062.203	4.338	6.2	24.1	NO		NO	bb

Compound name: d7-N-MeFOSE

Response Factor: 0.0930021

RRF SD: 0.00790327, Relative SD: 8.49795

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	150.000	6.60	28722.836	28432.514	12.628	135.8	-9.5	NO		NO	bb
2	2 181024M2_3	Standard	150.000	6.60	30120.150	27355.570	13.763	148.0	-1.3	NO		NO	bb
3	3 181024M2_4	Standard	150.000	6.60	29892.322	26381.391	14.164	152.3	1.5	NO		NO	bb
4	4 181024M2_5	Standard	150.000	6.60	29755.400	28068.568	13.251	142.5	-5.0	NO		NO	bb
5	5 181024M2_6	Standard	150.000	6.60	29363.027	27870.115	13.170	141.6	-5.6	NO		NO	bb
6	6 181024M2_7	Standard	150.000	6.60	29029.395	27035.832	13.422	144.3	-3.8	NO		NO	bb
7	7 181024M2_8	Standard	150.000	6.60	28720.313	26296.328	13.652	146.8	-2.1	NO		NO	bb
8	8 181024M2_9	Standard	150.000	6.60	28701.785	26119.014	13.736	147.7	-1.5	NO		NO	bb
9	9 181024M2_10	Standard	150.000	6.60	26310.711	22141.387	14.854	159.7	6.5	NO		NO	bb
10	10 181024M2_11	Standard	150.000	6.60	24368.143	18062.203	16.864	181.3	20.9	NO		NO	bb

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Compound name: d9-N-EtFOSE

Response Factor: 0.0846425
 RRF SD: 0.00678673, Relative SD: 8.01811
 Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	150.000	6.75	26370.877	28432.514	11.594	137.0	-8.7	NO		NO	bb
2	2 181024M2_3	Standard	150.000	6.74	27277.600	27355.570	12.464	147.3	-1.8	NO		NO	bb
3	3 181024M2_4	Standard	150.000	6.74	26830.998	26381.391	12.713	150.2	0.1	NO		NO	bb
4	4 181024M2_5	Standard	150.000	6.74	26956.990	28068.568	12.005	141.8	-5.4	NO		NO	bb
5	5 181024M2_6	Standard	150.000	6.74	26604.480	27870.115	11.932	141.0	-6.0	NO		NO	bb
6	6 181024M2_7	Standard	150.000	6.74	26156.668	27035.832	12.094	142.9	-4.7	NO		NO	bb
7	7 181024M2_8	Standard	150.000	6.74	26462.750	26296.328	12.579	148.6	-0.9	NO		NO	bb
8	8 181024M2_9	Standard	150.000	6.74	26611.467	26119.014	12.736	150.5	0.3	NO		NO	bb
9	9 181024M2_10	Standard	150.000	6.74	24538.840	22141.387	13.853	163.7	9.1	NO		NO	bb
10	10 181024M2_11	Standard	150.000	6.74	21665.480	18062.203	14.994	177.1	18.1	NO		NO	bb

Compound name: 13C4-PFBA

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
 Curve type: RF

#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	1.39	15172.237	15172.237	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	1.38	15123.687	15123.687	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	1.39	14597.498	14597.498	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	1.38	15023.443	15023.443	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	1.39	15134.297	15134.297	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	1.38	14595.818	14595.818	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	1.38	14912.738	14912.738	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	1.38	14937.431	14937.431	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	1.38	13598.804	13598.804	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	1.38	11914.045	11914.045	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C5-PFHxA

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	3.53	22177.086	22177.086	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	3.52	21873.082	21873.082	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	3.52	21502.172	21502.172	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	3.52	21480.602	21480.602	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	3.52	21902.338	21902.338	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	3.52	21472.480	21472.480	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	3.52	20847.283	20847.283	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	3.52	20415.088	20415.088	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	3.52	18074.666	18074.666	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	3.52	15193.970	15193.970	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.29	3634.424	3634.424	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.28	3690.073	3690.073	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.28	3398.206	3398.206	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.28	3605.107	3605.107	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.28	3544.905	3544.905	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.28	3614.623	3614.623	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.28	3559.524	3559.524	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.28	3639.225	3639.225	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.28	3145.094	3145.094	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	4.28	2375.754	2375.754	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C8-PFOA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 63), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	4.63	30230.592	30230.592	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	4.62	28815.633	28815.633	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	4.62	29506.760	29506.760	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	4.62	28793.775	28793.775	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	4.62	29338.598	29338.598	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	4.62	27420.068	27420.068	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	4.62	26841.344	26841.344	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	4.62	25703.588	25703.588	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	4.62	21606.793	21606.793	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	4.62	18415.217	18415.217	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 64), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.07	20539.646	20539.646	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.05	20076.053	20076.053	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.05	19883.506	19883.506	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.05	20519.574	20519.574	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.05	20932.920	20932.920	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.05	19741.137	19741.137	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.05	19215.072	19215.072	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.05	17635.785	17635.785	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.05	14702.905	14702.905	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.05	11736.351	11736.351	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C4-PFOS

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 65), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.15	3684.447	3684.447	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.13	3767.516	3767.516	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.13	3659.165	3659.165	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.13	3694.032	3694.032	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.13	3689.734	3689.734	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.13	3595.334	3595.334	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.13	3759.077	3759.077	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.13	3672.608	3672.608	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.13	3243.650	3243.650	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.13	2756.127	2756.127	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 66), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.44	20734.572	20734.572	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.43	19644.879	19644.879	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.43	20544.811	20544.811	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.43	20452.045	20452.045	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.43	20861.809	20861.809	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.43	20162.709	20162.709	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.43	19936.945	19936.945	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.43	19148.529	19148.529	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.43	15694.320	15694.320	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.43	13106.552	13106.552	12.500	12.5	0.0	NO		NO	bb

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Compound name: 13C7-PFUdA

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 67), Area * (IS Conc. / IS Area)

Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 181024M2_2	Standard	12.500	5.76	28432.514	28432.514	12.500	12.5	0.0	NO		NO	bb
2	2 181024M2_3	Standard	12.500	5.75	27355.570	27355.570	12.500	12.5	0.0	NO		NO	bb
3	3 181024M2_4	Standard	12.500	5.75	26381.391	26381.391	12.500	12.5	0.0	NO		NO	bb
4	4 181024M2_5	Standard	12.500	5.75	28068.568	28068.568	12.500	12.5	0.0	NO		NO	bb
5	5 181024M2_6	Standard	12.500	5.75	27870.115	27870.115	12.500	12.5	0.0	NO		NO	bb
6	6 181024M2_7	Standard	12.500	5.74	27035.832	27035.832	12.500	12.5	0.0	NO		NO	bb
7	7 181024M2_8	Standard	12.500	5.74	26296.328	26296.328	12.500	12.5	0.0	NO		NO	bb
8	8 181024M2_9	Standard	12.500	5.74	26119.014	26119.014	12.500	12.5	0.0	NO		NO	bb
9	9 181024M2_10	Standard	12.500	5.74	22141.387	22141.387	12.500	12.5	0.0	NO		NO	bb
10	10 181024M2_11	Standard	12.500	5.74	18062.203	18062.203	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:17:40 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

#	Name	IS#	CoD	CoD Flag	%RSD
1	1 PFBA	36	0.9998	NO	
2	2 PFPeA	37	1.0000	NO	
3	3 PFBS	38	0.9999	NO	
4	4 4:2 FTS	39	0.9993	NO	
5	5 PFHxA	40	1.0000	NO	
6	6 PFPeS	38	0.9997	NO	
7	7 PFHpA	41	0.9996	NO	
8	8 L-PFHxS	42	0.9990	NO	
9	10 6:2 FTS	43	0.9994	NO	
10	11 L-PFOA	44	0.9996	NO	
11	13 PFHpS	47	0.9993	NO	
12	14 PFNA	45	0.9999	NO	
13	15 PFOSA	46	0.9995	NO	
14	16 L-PFOS	47	0.9988	NO	
15	18 PFDA	48	0.9999	NO	
16	19 8:2 FTS	49	0.9997	NO	
17	20 PFNS	47	0.9991	NO	
18	21 L-MeFOSAA	50	0.9990	NO	
19	23 L-EtFOSAA	52	0.9994	NO	

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:17:56 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

#	Name	IS#	CoD	CoD Flag	%RSD
1	25 PFUdA	51	0.9997	NO	
2	26 PFDS	47	0.9994	NO	
3	27 PFDoA	53	0.9994	NO	
4	28 N-MeFOSA	54	0.9997	NO	
5	29 PFTrDA	53	0.9992	NO	
6	30 PFTeDA	55	0.9999	NO	
7	31 N-EtFOSA	56	0.9999	NO	
8	32 PFHxDA	57	0.9999	NO	
9	33 PFODA	57	0.9999	NO	
10	34 N-MeFOSE	58	0.9998	NO	
11	35 N-EtFOSE	59	1.0000	NO	
12	36 13C3-PFBA	60		NO	1.096
13	37 13C3-PFPeA	61		NO	1.563
14	38 13C3-PFBS	62		NO	4.580
15	39 13C2-4:2 FTS	62		NO	7.899
16	40 13C2-PFHxA	61		NO	2.766
17	41 13C4-PFHpA	61		NO	4.763
18	42 18O2-PFHxS	62		NO	5.397
19	43 13C2-6:2 FTS	65		NO	9.861
20	44 13C2-PFOA	63		NO	2.110
21	45 13C5-PFNA	64		NO	2.947
22	46 13C8-PFOSA	67		NO	5.357
23	47 13C8-PFOS	65		NO	2.173
24	48 13C2-PFDA	66		NO	2.771
25	49 13C2-8:2 FTS	65		NO	12.313
26	50 d3-N-MeFOSAA	67		NO	14.410
27	51 13C2-PFUdA	67		NO	1.913
28	52 d5-N-EtFOSAA	67		NO	7.459
29	53 13C2-PFDoA	66		NO	6.548
30	54 d3-N-MeFOSA	67		NO	7.277
31	55 13C2-PFTeDA	67		NO	5.561
32	56 d5-N-ETFOSA	67		NO	3.256

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:17:56 Pacific Daylight Time

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

	#	Name	IS#	CoD	CoD Flag	%RSD
33	57	13C2-PFHxDA	67		NO	9.703
34	58	d7-N-MeFOSE	67		NO	8.498
35	59	d9-N-EtFOSE	67		NO	8.018
36	60	13C4-PFBA	60		NO	0.000
37	61	13C5-PFHxA	61		NO	0.000
38	62	13C3-PFHxS	62		NO	0.000
39	63	13C8-PFOA	63		NO	0.000
40	64	13C9-PFNA	64		NO	0.000
41	65	13C4-PFOS	65		NO	0.000
42	66	13C6-PFDA	66		NO	0.000
43	67	13C7-PFUdA	67		NO	0.000

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:12 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707

	Name	Ion Ratio	Ratio out?
1	PFBA		
2	PFPeA		
3	PFBS	2.643	NO
4	4:2 FTS	1.512	NO
5	PFHxA	14.246	NO
6	PFPeS	1.624	NO
7	PFHpA	15.556	NO
8	L-PFHxS	1.454	NO
9	6:2 FTS	2.780	NO
10	L-PFOA	3.290	NO
11	PFHpS	1.856	NO
12	PFNA	4.179	NO
13	PFOSA	29.928	NO
14	L-PFOS	1.985	NO
15	PFDA	5.528	NO
16	8:2 FTS	2.481	NO
17	PFNS	1.668	NO
18	L-MeFOSAA	2.407	NO
19	L-EtFOSAA	1.424	NO

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:22 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707

	Name	Ion Ratio	Ratio out?
1	PFUdA	10.427	NO
2	PFDS	1.533	NO
3	PFDoA	9.130	NO
4	N-MeFOSA	1.443	NO
5	PFTrDA	26.898	NO
6	PFTeDA	13.042	NO
7	N-EtFOSA	1.449	NO
8	PFHxDA	17.565	NO
9	PFODA		
10	N-MeFOSE		
11	N-EtFOSE		

Dataset: Untitled

Last Altered: Wednesday, October 24, 2018 15:20:38 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:20:49 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFBA

#	Name	ID	Acq.Date	Acq.Time
1	1 181024M2_1	IPA	24-Oct-18	11:08:25
2	2 181024M2_2	ST181024M2-1 PFC CS-2 18J1702	24-Oct-18	11:19:00
3	3 181024M2_3	ST181024M2-2 PFC CS-1 18J1703	24-Oct-18	11:29:33
4	4 181024M2_4	ST181024M2-3 PFC CS0 18J1704	24-Oct-18	11:40:12
5	5 181024M2_5	ST181024M2-4 PFC CS1 18J1705	24-Oct-18	11:50:45
6	6 181024M2_6	ST181024M2-5 PFC CS2 18J1706	24-Oct-18	12:01:23
7	7 181024M2_7	ST181024M2-6 PFC CS3 18J1707	24-Oct-18	12:12:01
8	8 181024M2_8	ST181024M2-7 PFC CS4 18J1708	24-Oct-18	12:22:34
9	9 181024M2_9	ST181024M2-8 PFC CS5 18J1709	24-Oct-18	12:33:13
10	10 181024M2_10	ST181024M2-9 PFC CS6 18J1710	24-Oct-18	12:43:46
11	11 181024M2_11	ST181024M2-10 PFC CS7 18J1711	24-Oct-18	12:54:24
12	12 181024M2_12	IPA	24-Oct-18	13:04:56
13	13 181024M2_13	ICV181024M2-1 PFC ICV 18J2201	24-Oct-18	13:15:35
14	14 181024M2_14	IPA	24-Oct-18	13:26:08

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

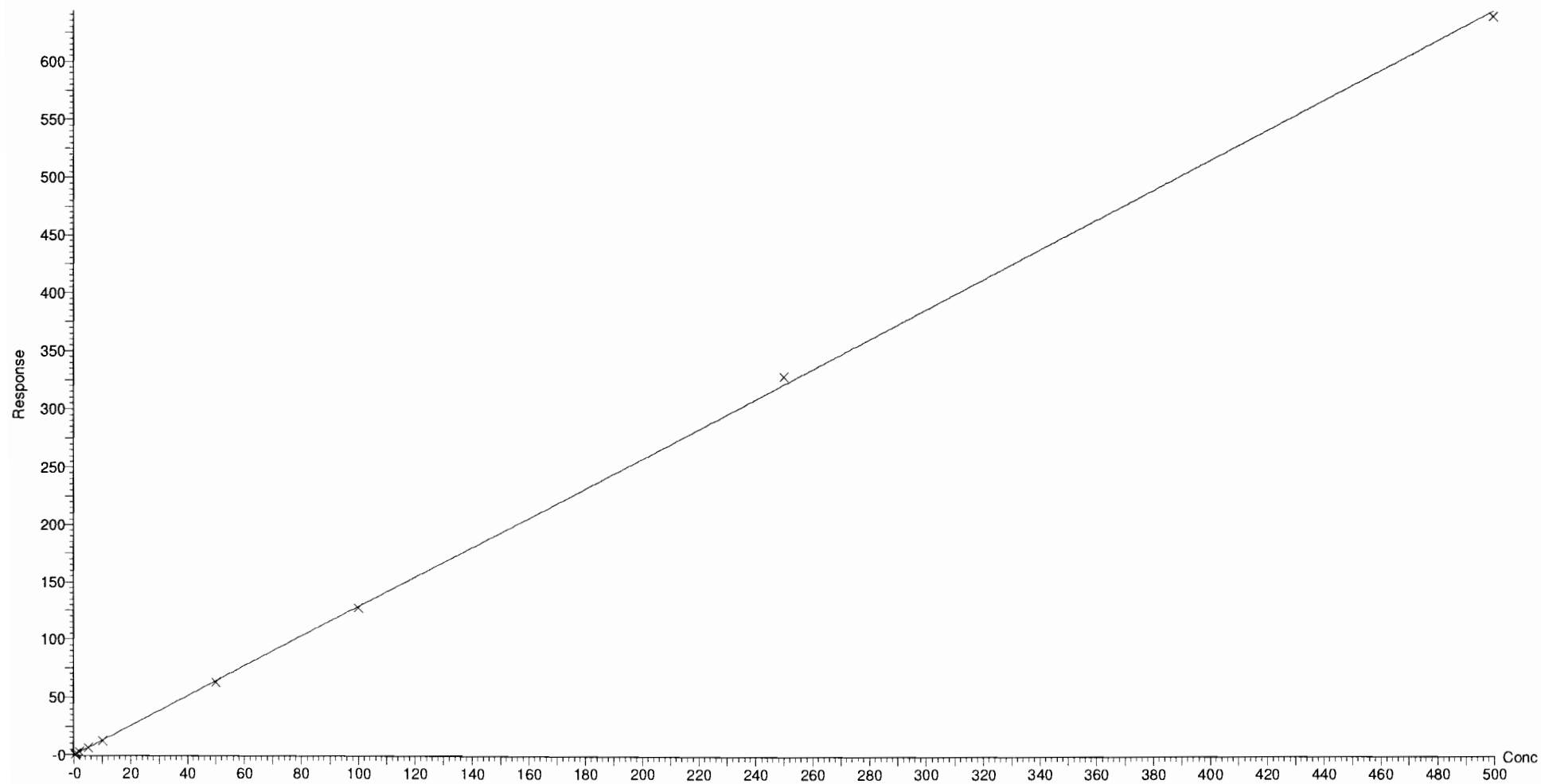
Compound name: PFBA

Correlation coefficient: $r = 0.999903$, $r^2 = 0.999806$

Calibration curve: $1.28672 * x + 0.0910778$

Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

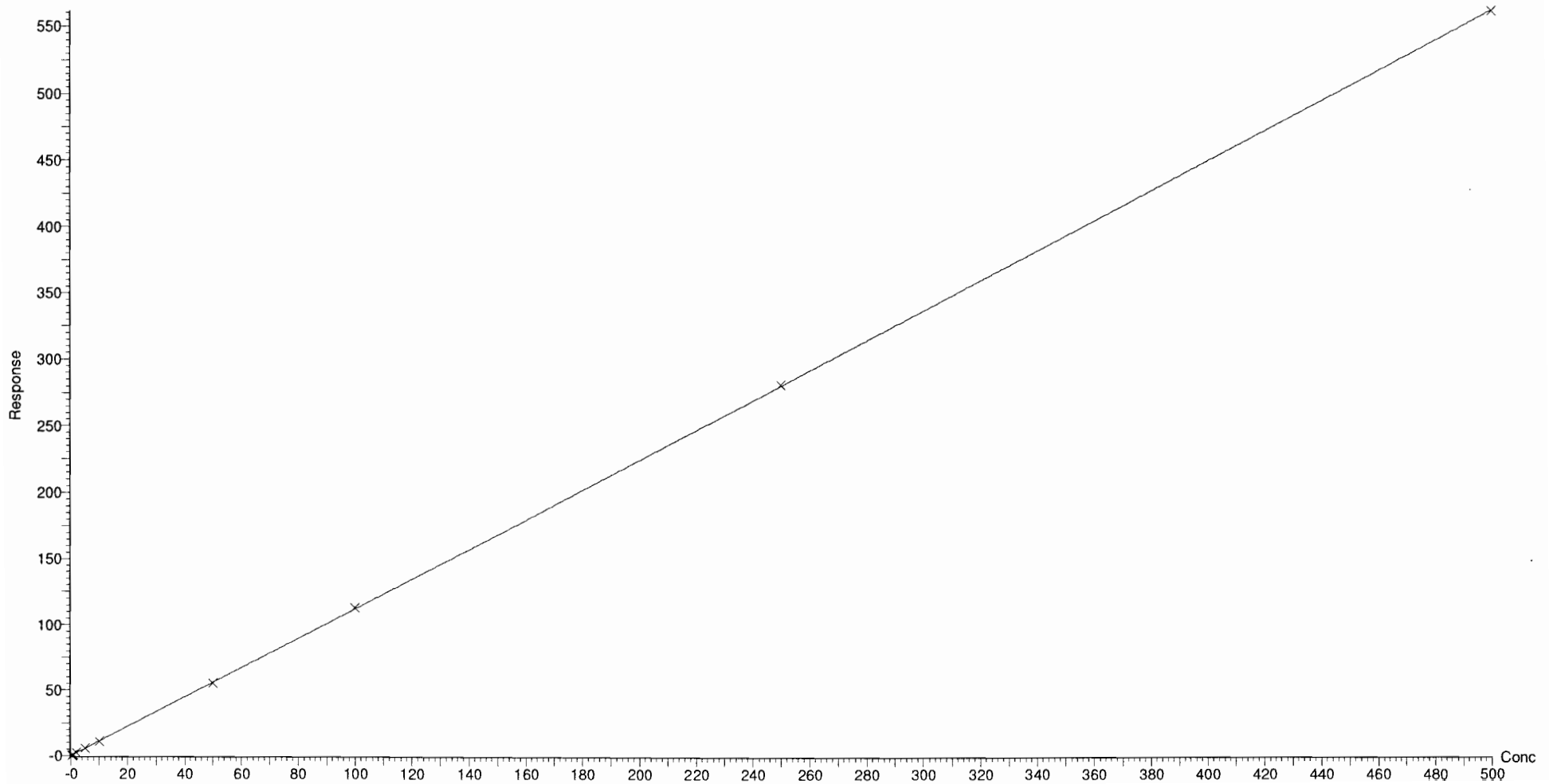
Compound name: PFPeA

Coefficient of Determination: $R^2 = 0.999954$

Calibration curve: $8.80691e-006 * x^2 + 1.11918 * x + 0.0669891$

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

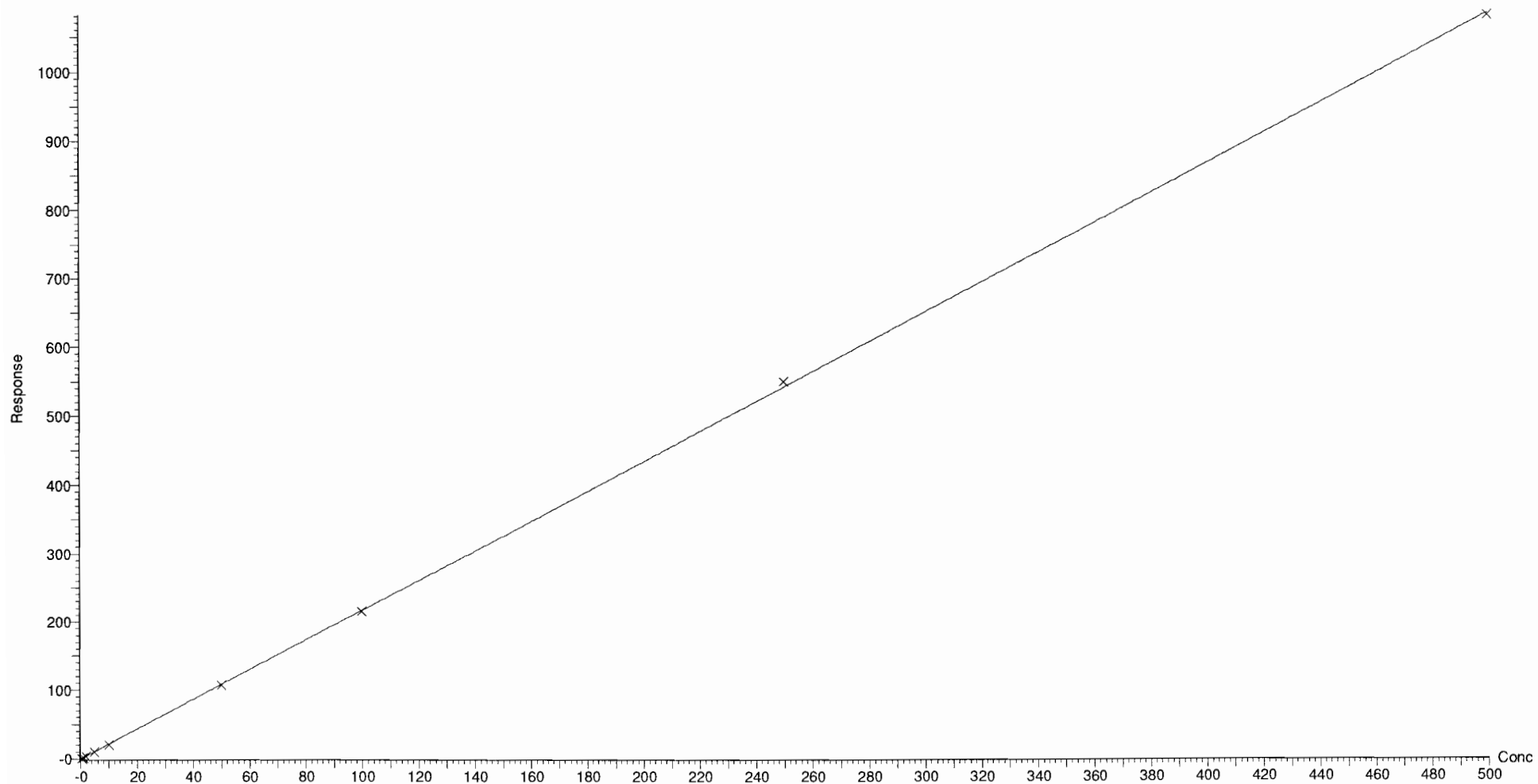
Compound name: PFBS

Coefficient of Determination: $R^2 = 0.999860$

Calibration curve: $-1.66615e-005 * x^2 + 2.1722 * x + -0.0560528$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

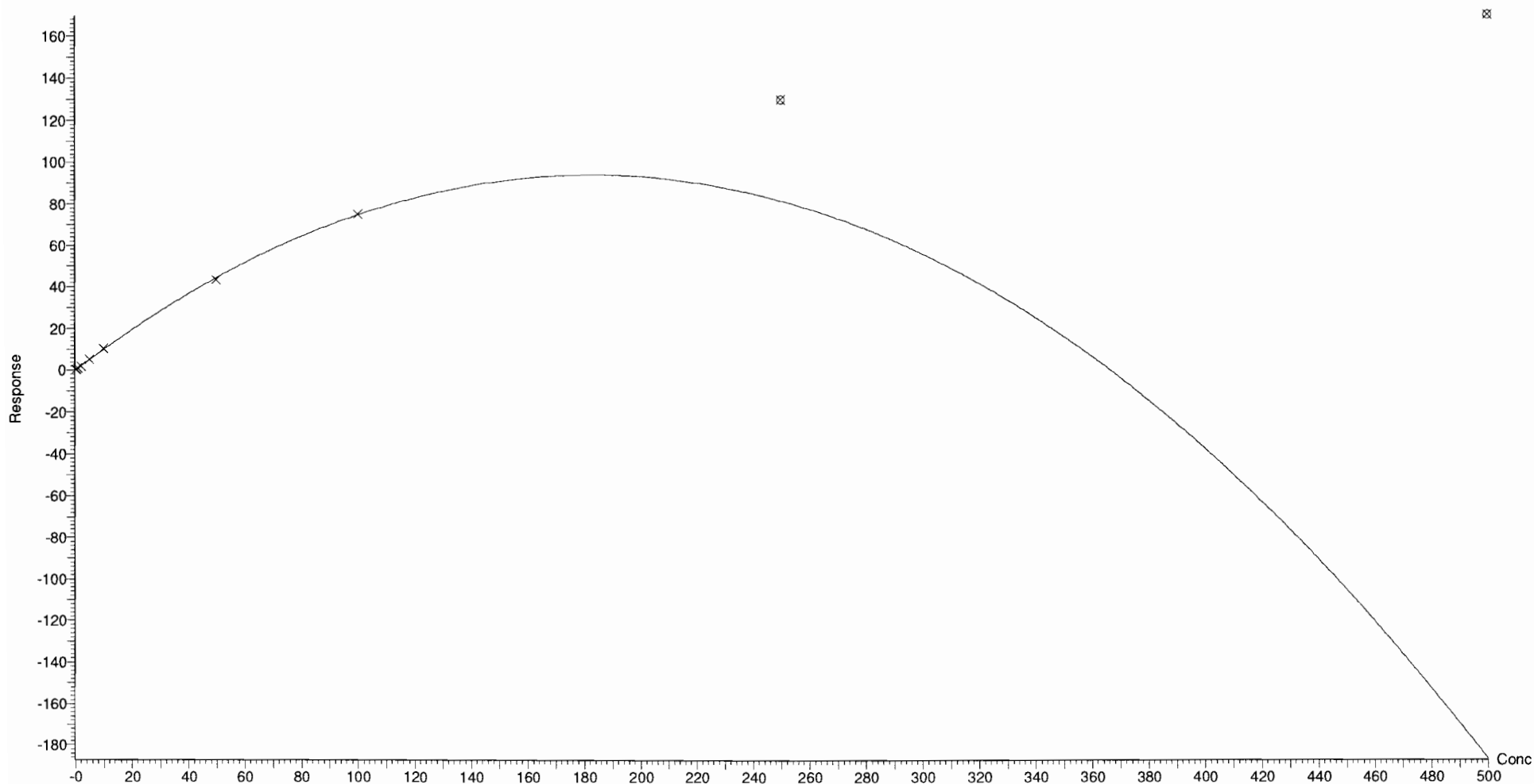
Compound name: 4:2 FTS

Coefficient of Determination: $R^2 = 0.999257$

Calibration curve: $-0.00279953 * x^2 + 1.02616 * x + 0.0933003$

Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

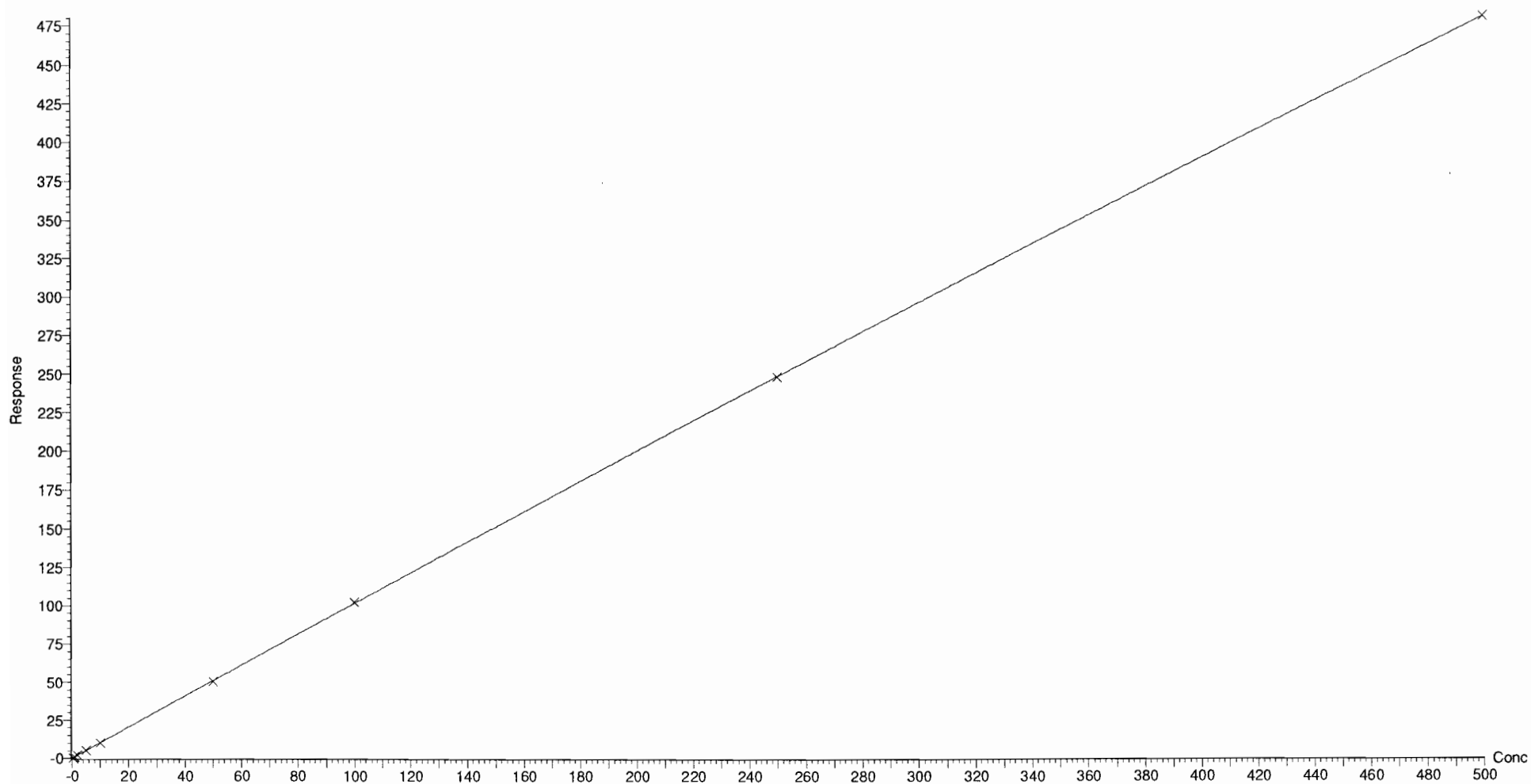
Compound name: PFHxA

Coefficient of Determination: $R^2 = 0.999963$

Calibration curve: $-0.000135193 * x^2 + 1.02804 * x + 0.039668$

Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

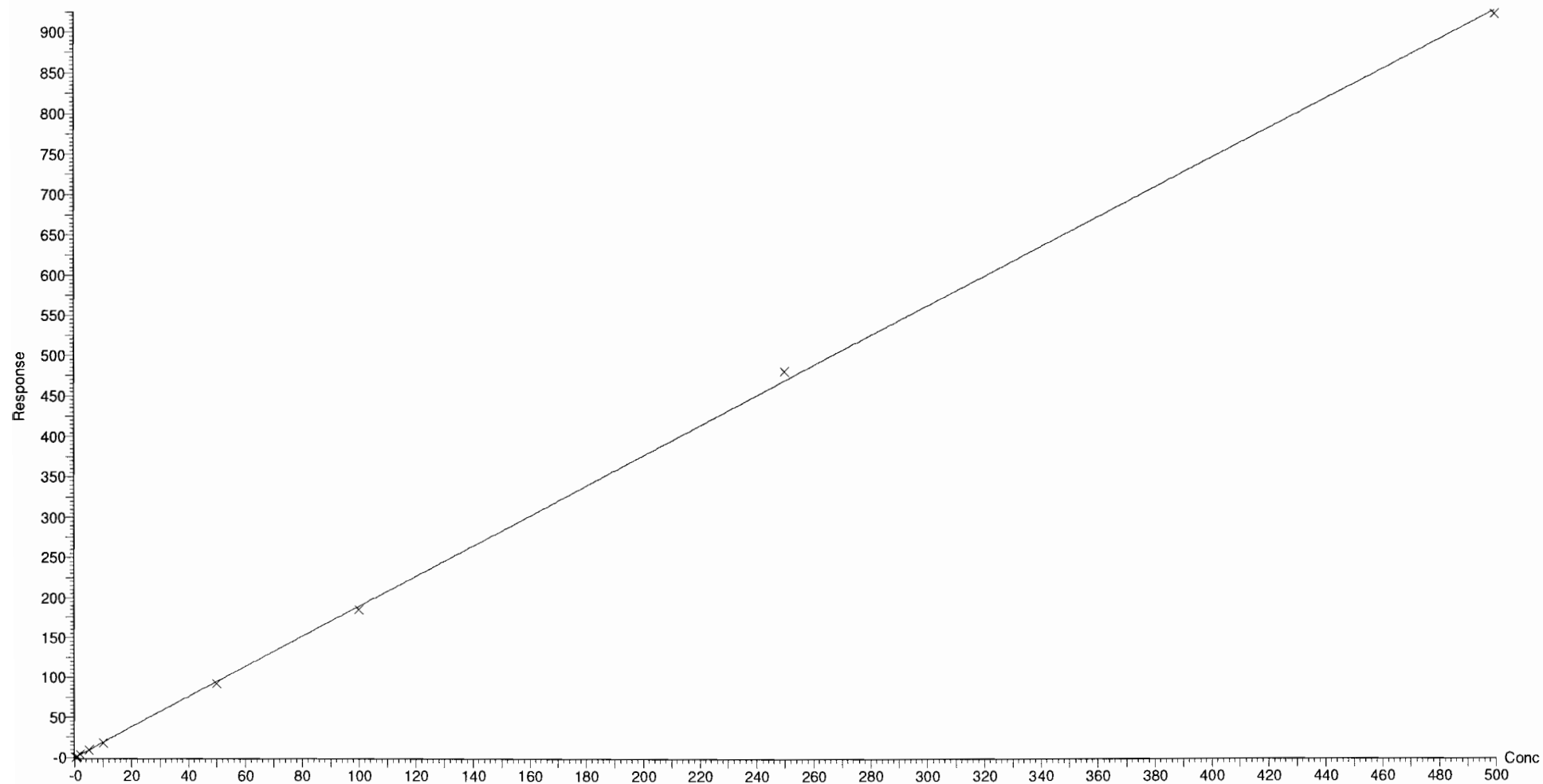
Compound name: PFPeS

Coefficient of Determination: $R^2 = 0.999731$

Calibration curve: $-9.78357e-005 * x^2 + 1.89977 * x + 0.0158743$

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

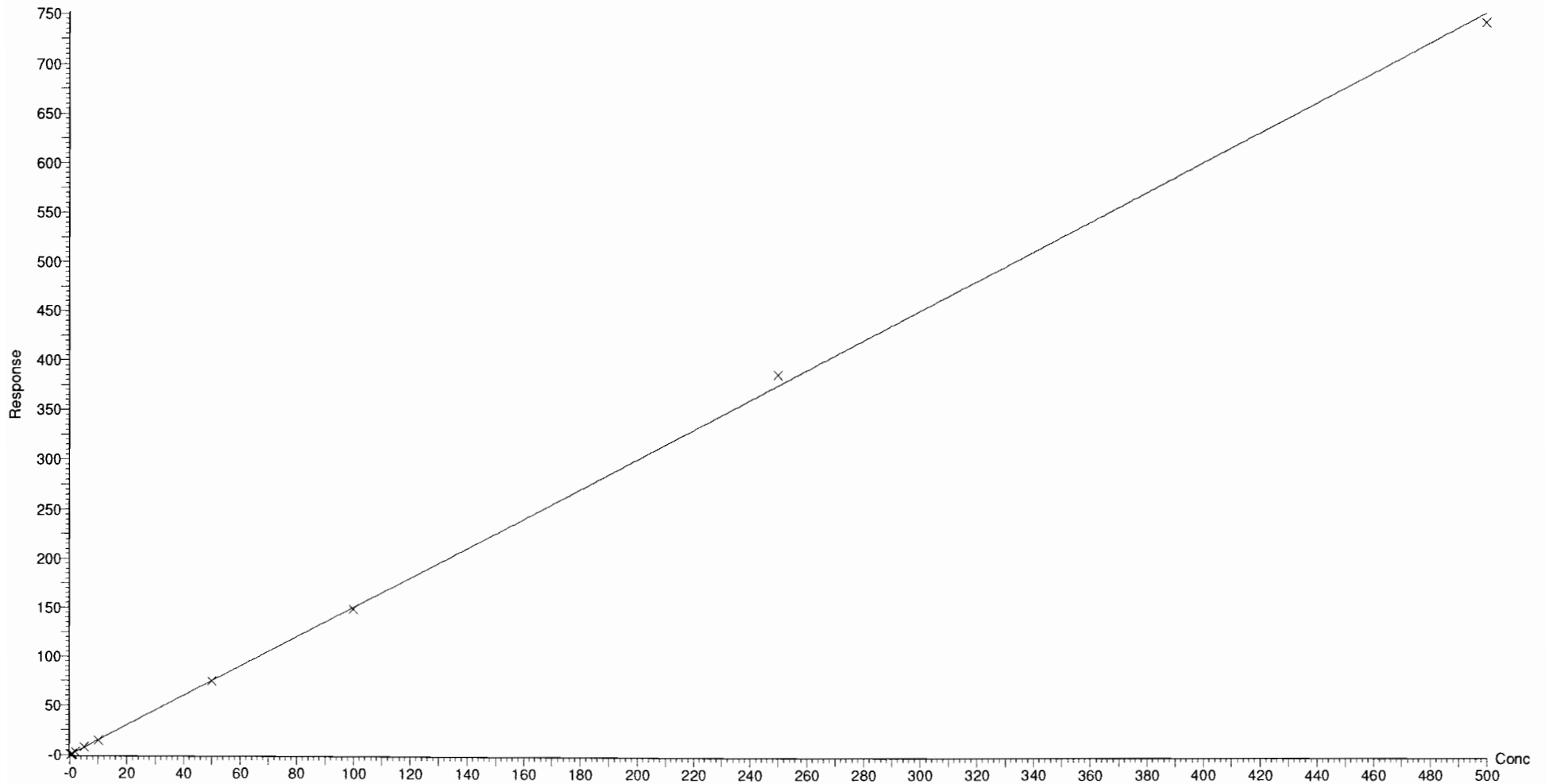
Compound name: PFHpA

Correlation coefficient: $r = 0.999822$, $r^2 = 0.999645$

Calibration curve: $1.50322 * x + 0.134018$

Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

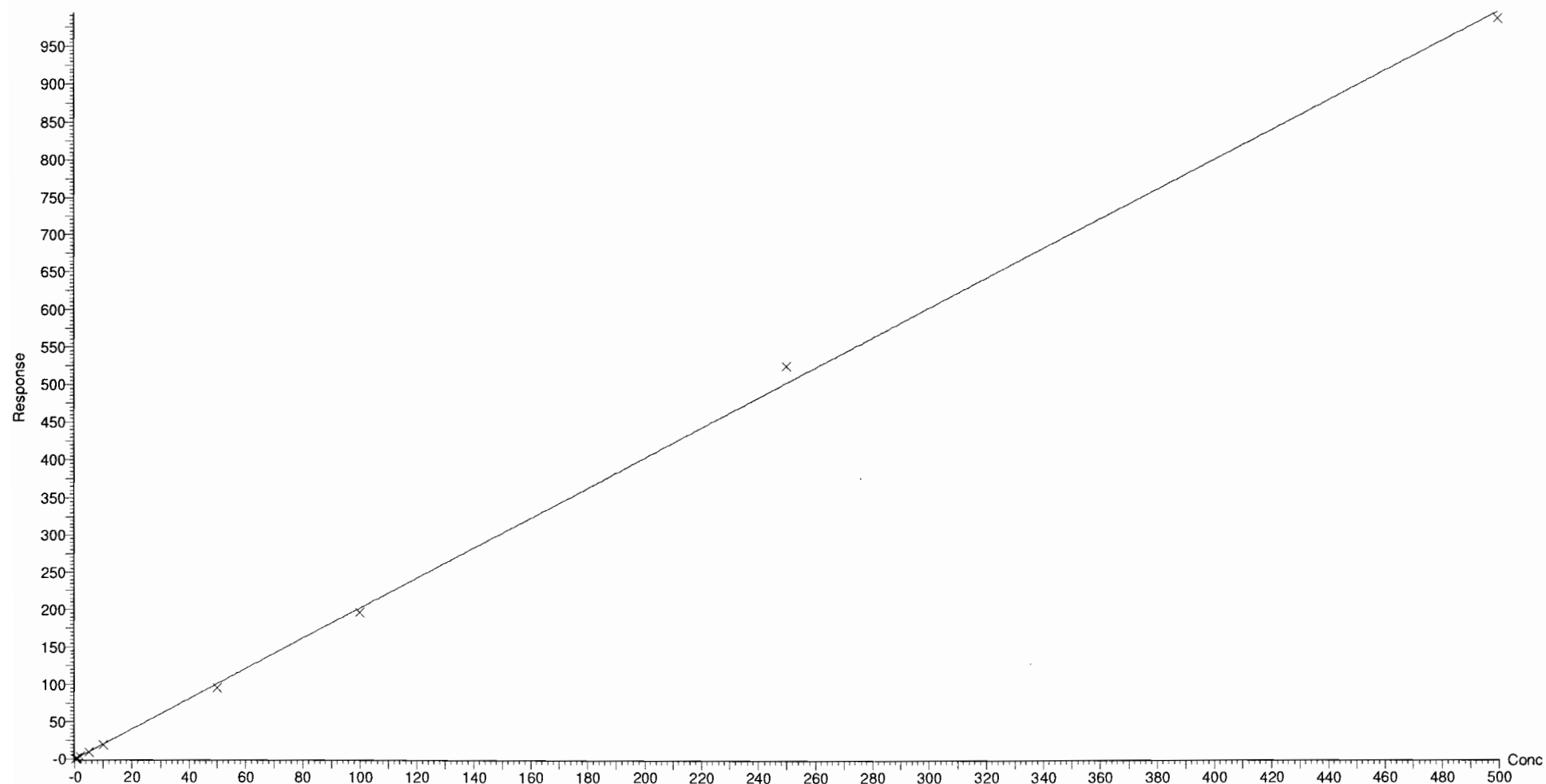
Compound name: L-PFHxS

Coefficient of Determination: $R^2 = 0.999025$

Calibration curve: $-8.88113e-005 * x^2 + 2.03379 * x + -0.0817304$

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

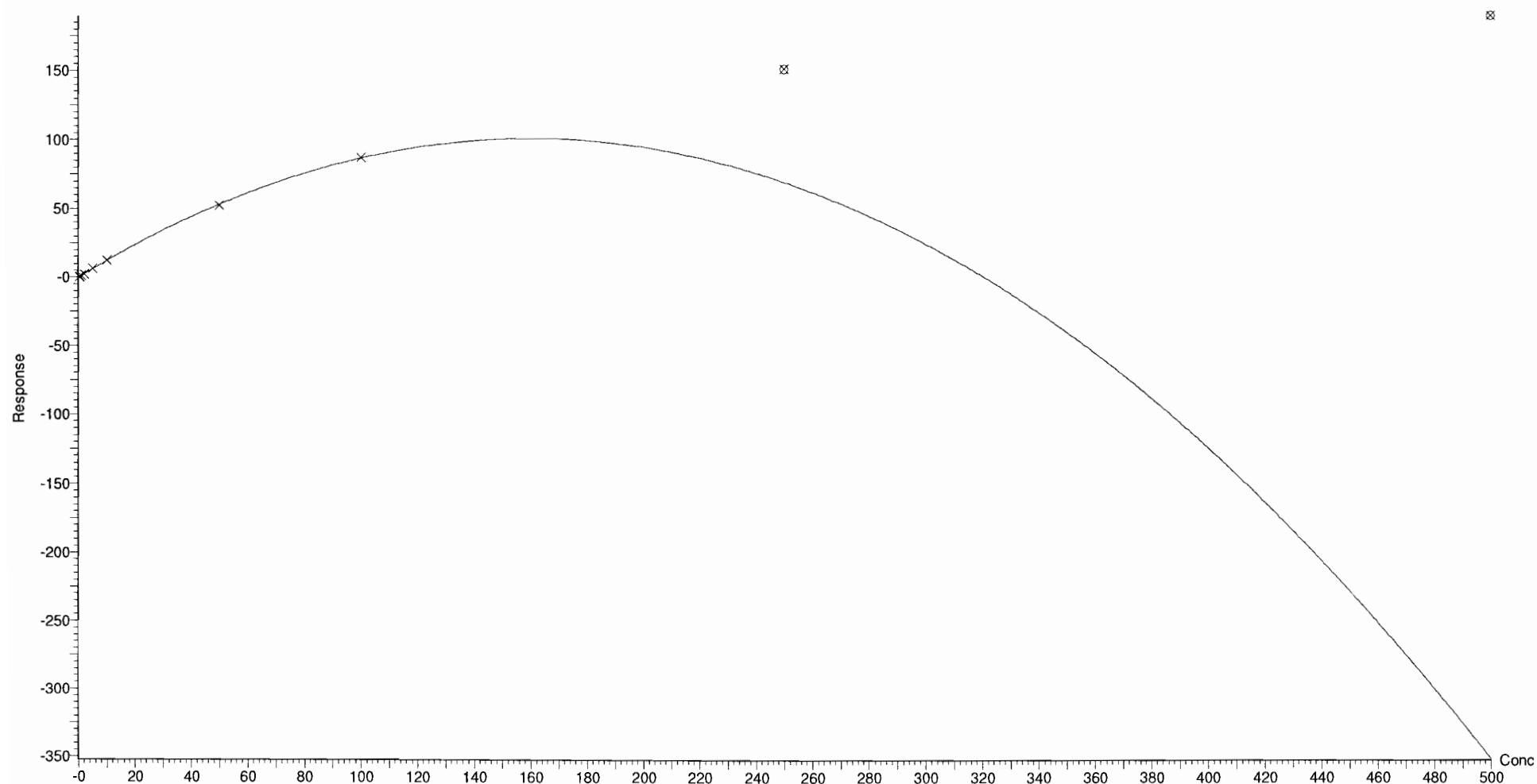
Compound name: 6:2 FTS

Coefficient of Determination: $R^2 = 0.999393$

Calibration curve: $-0.00392957 * x^2 + 1.26162 * x + 0.0214452$

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

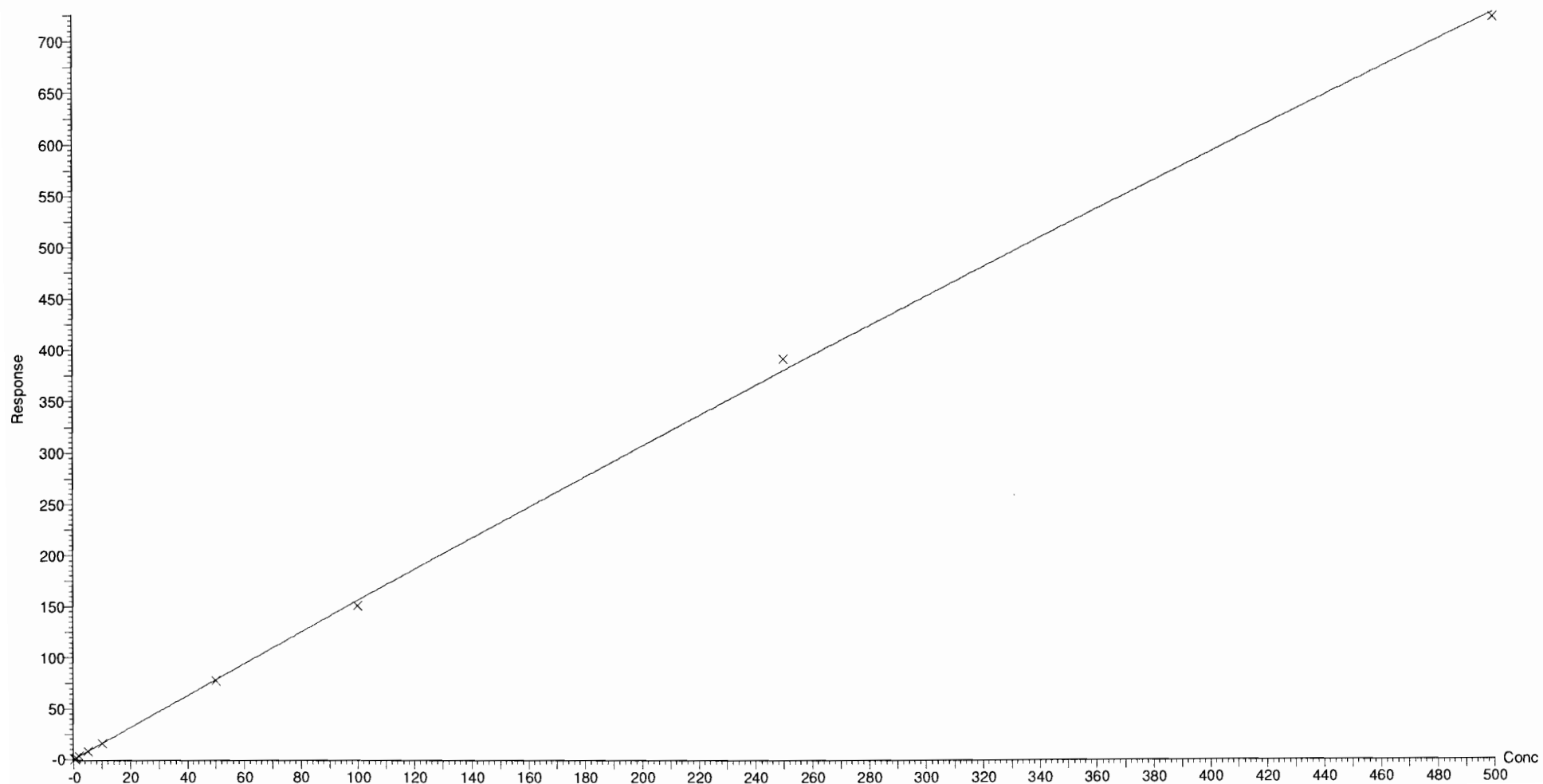
Compound name: L-PFOA

Coefficient of Determination: $R^2 = 0.999568$

Calibration curve: $-0.000268108 * x^2 + 1.58588 * x + 0.128034$

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

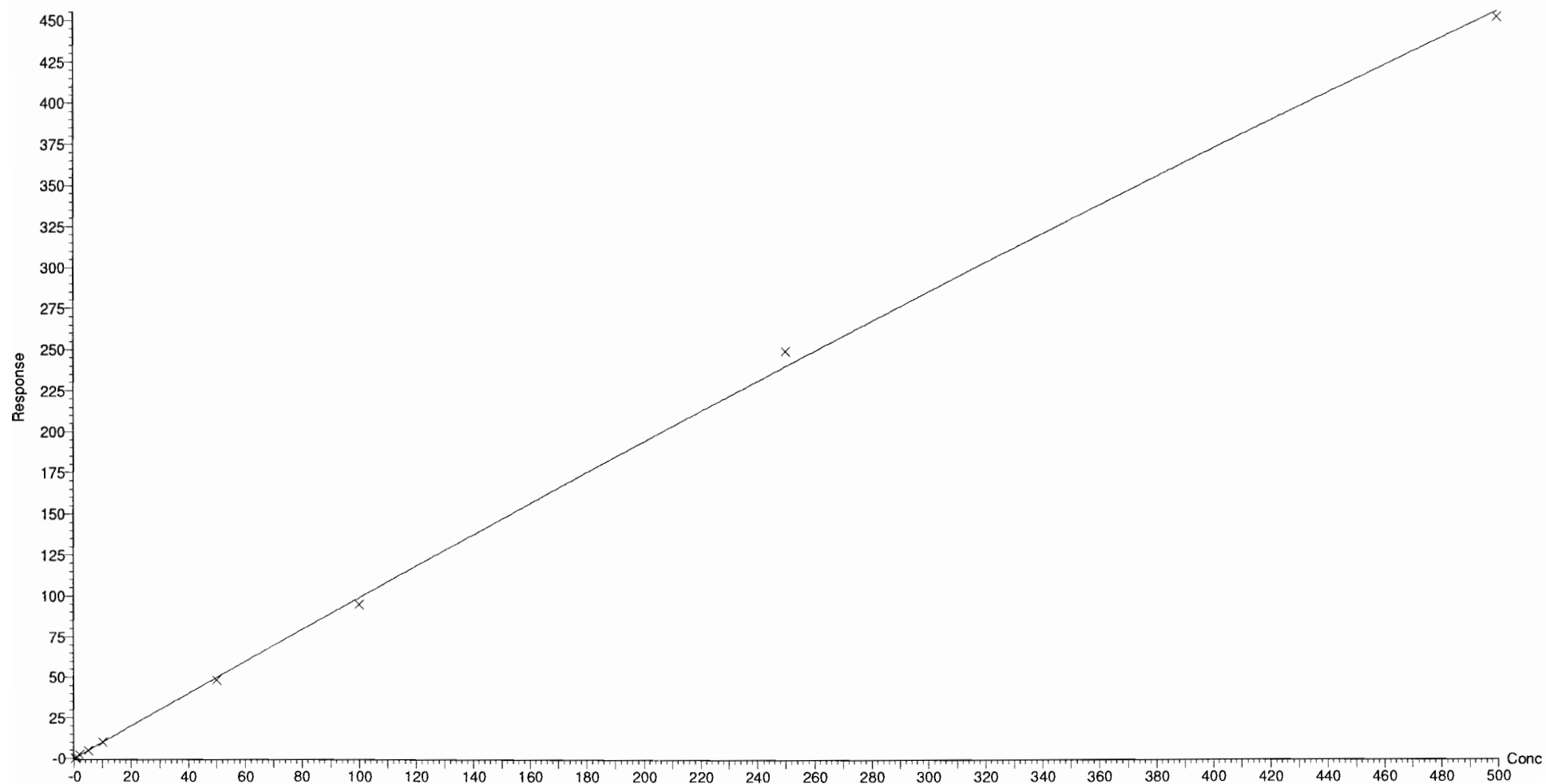
Compound name: PFHpS

Coefficient of Determination: $R^2 = 0.999273$

Calibration curve: $-0.000200697 * x^2 + 1.01073 * x + -0.0487847$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

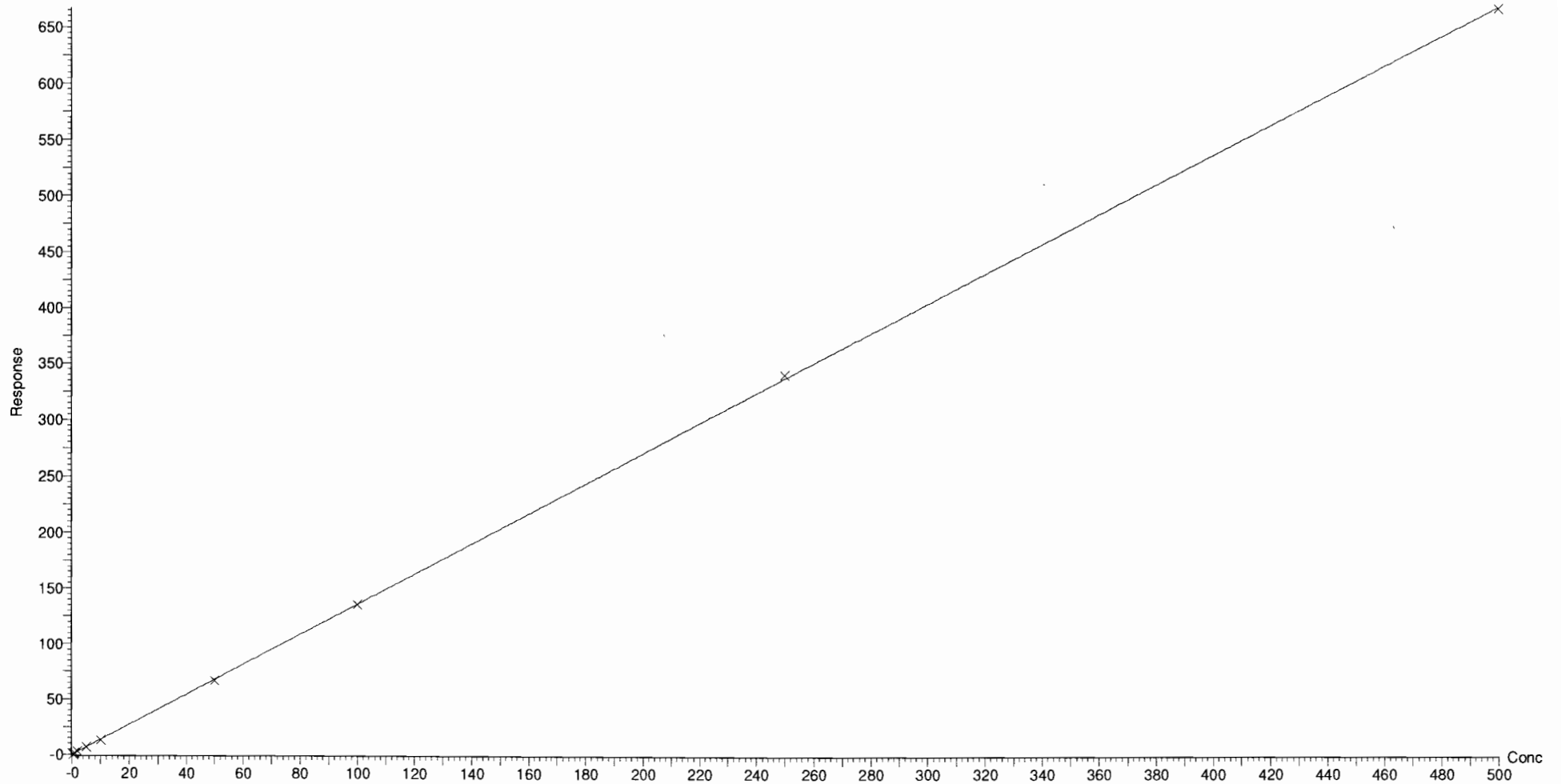
Compound name: PFNA

Coefficient of Determination: $R^2 = 0.999939$

Calibration curve: $-5.8641e-005 * x^2 + 1.36394 * x + 0.0702075$

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

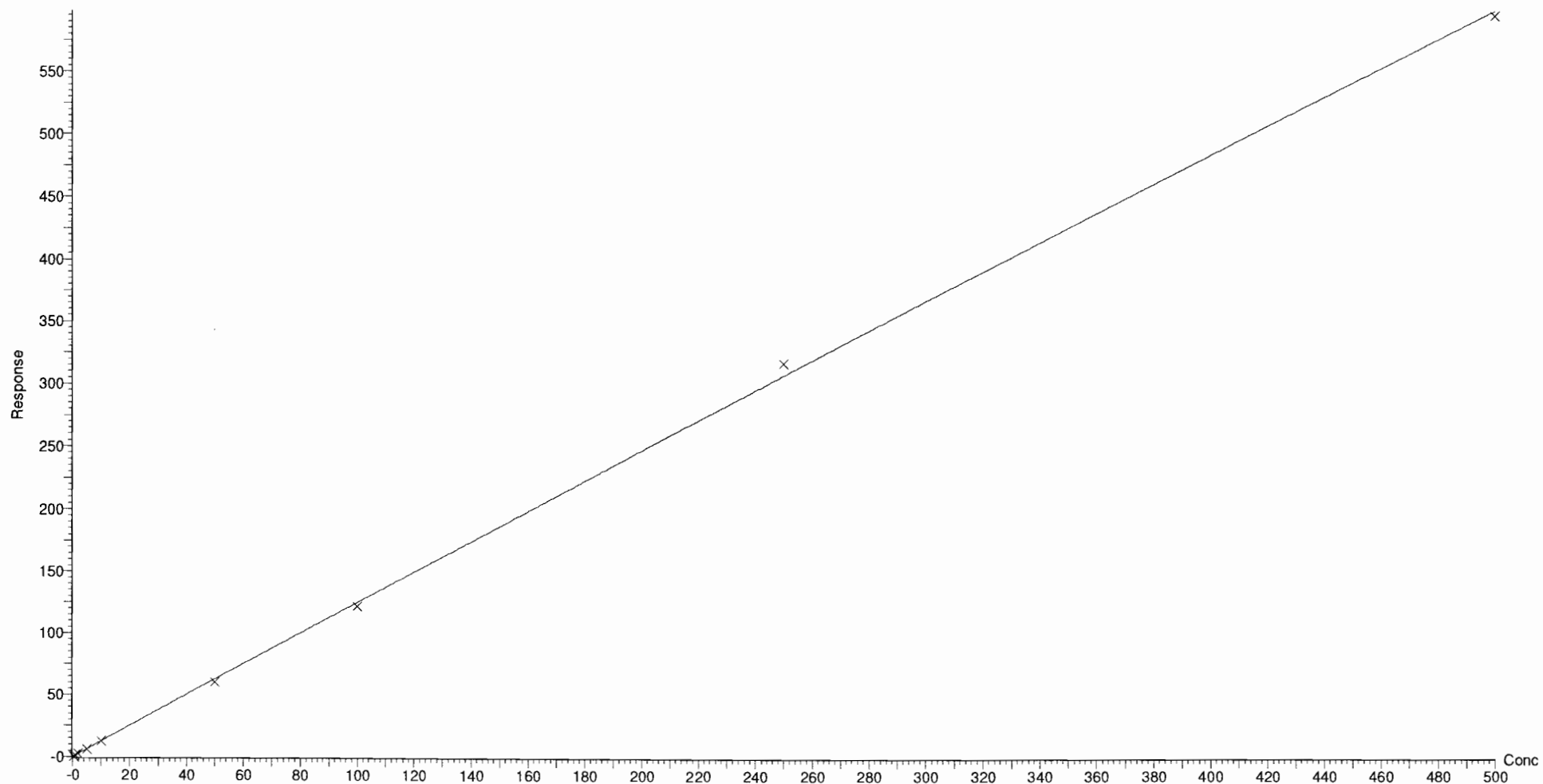
Compound name: PFOSA

Coefficient of Determination: $R^2 = 0.999518$

Calibration curve: $-0.000128181 * x^2 + 1.26055 * x + -0.0039549$

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

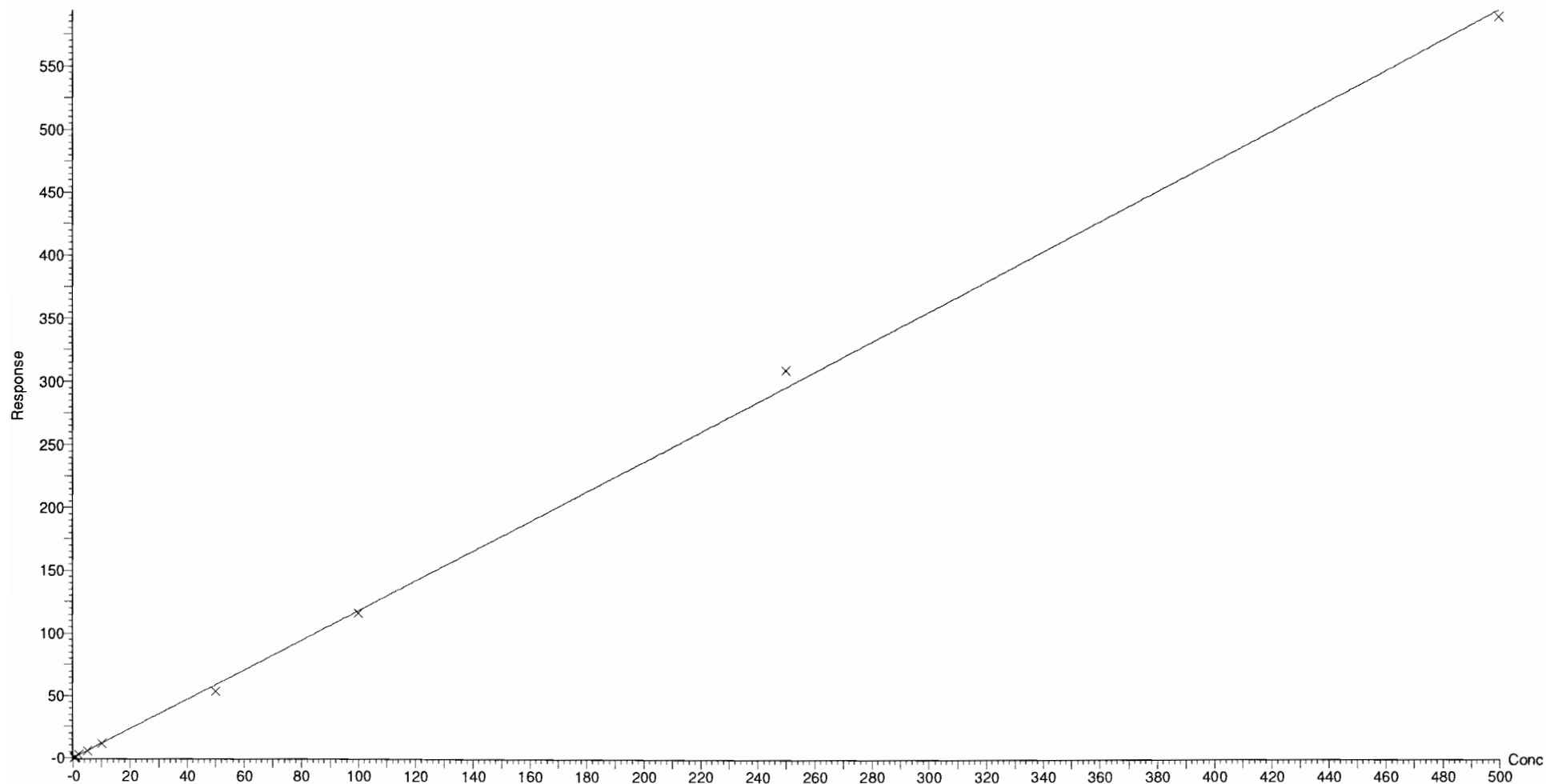
Compound name: L-PFOS

Coefficient of Determination: $R^2 = 0.998836$

Calibration curve: $1.63016e-005 * x^2 + 1.1798 * x + -0.0208561$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

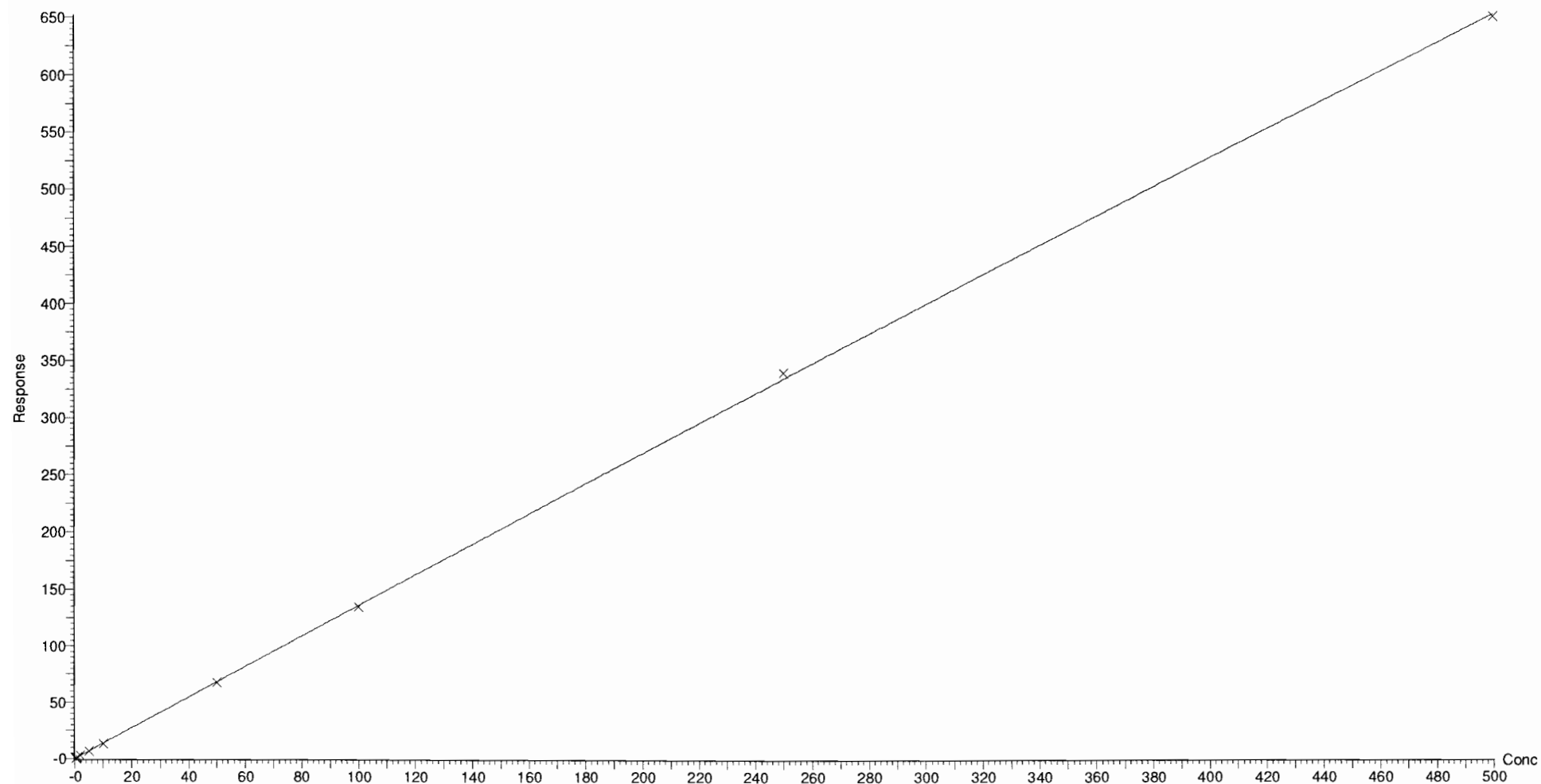
Compound name: PFDA

Coefficient of Determination: $R^2 = 0.999867$

Calibration curve: $-0.000135679 * x^2 + 1.37179 * x + 0.0462963$

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

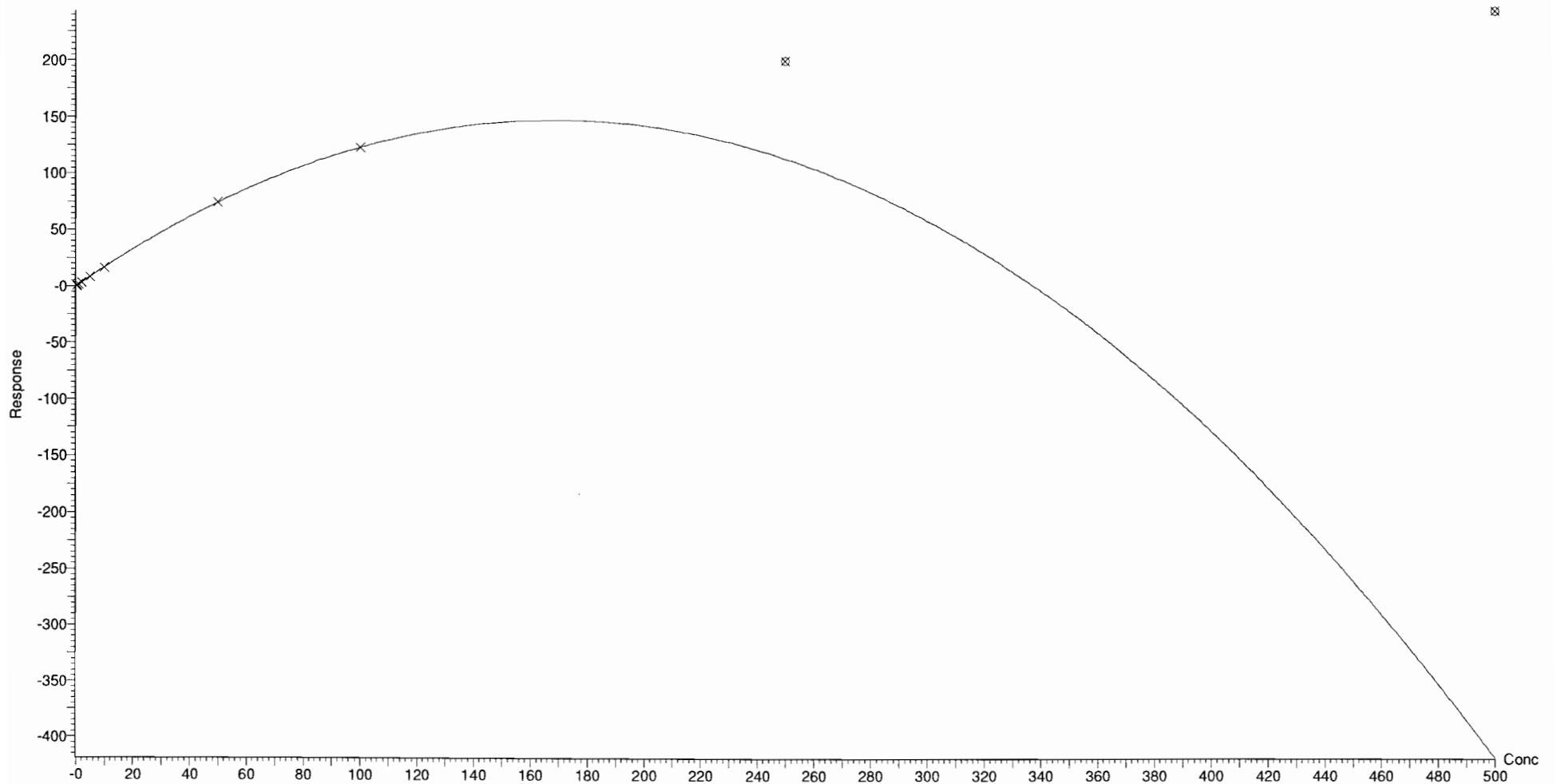
Compound name: 8:2 FTS

Coefficient of Determination: $R^2 = 0.999704$

Calibration curve: $-0.00516616 * x^2 + 1.74731 * x + -0.0665655$

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

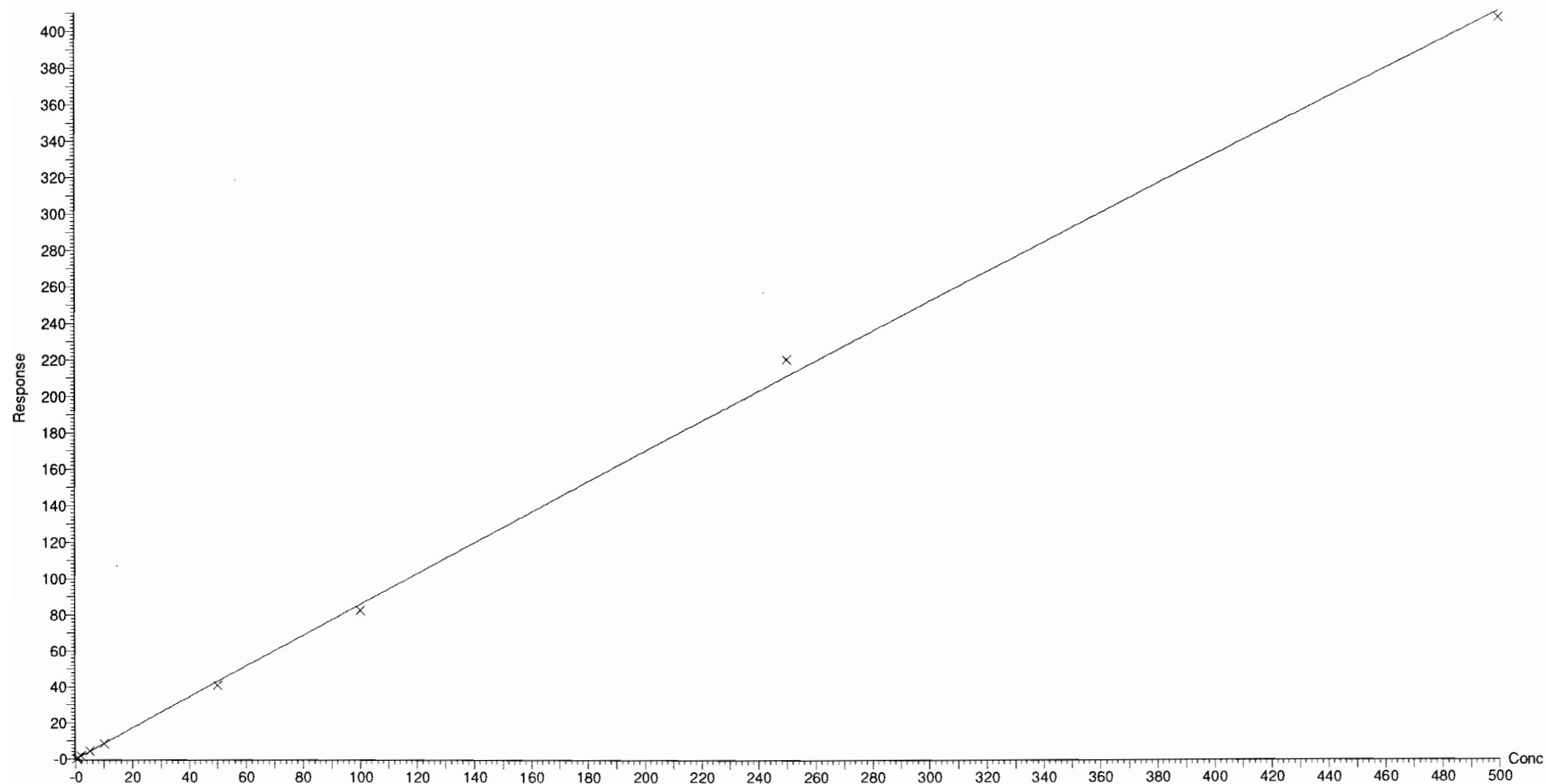
Compound name: PFNS

Coefficient of Determination: $R^2 = 0.999071$

Calibration curve: $-9.53031e-005 * x^2 + 0.868093 * x + -0.0248874$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

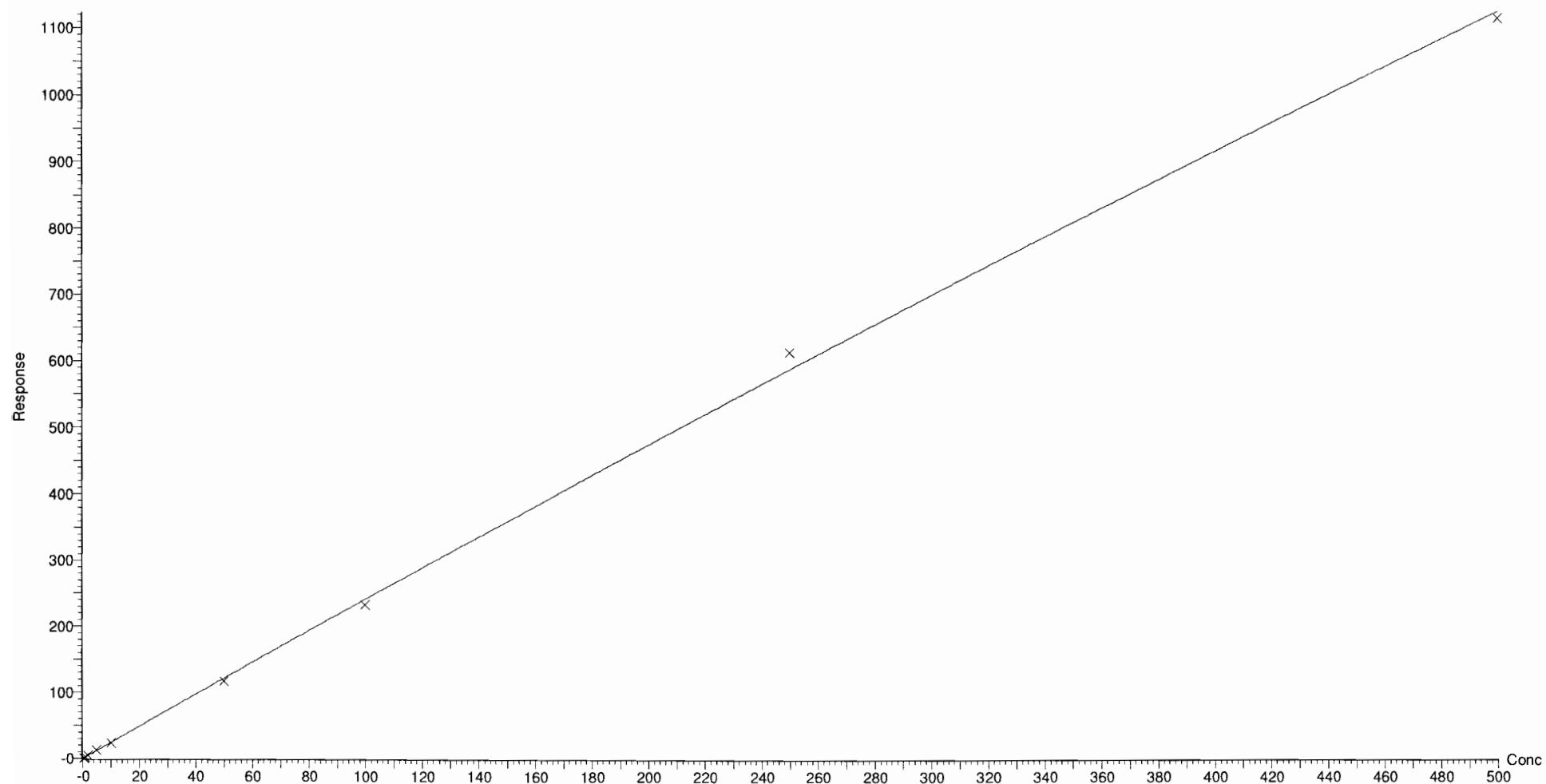
Compound name: L-MeFOSAA

Coefficient of Determination: $R^2 = 0.999046$

Calibration curve: $-0.000423714 * x^2 + 2.45914 * x + -0.142442$

Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

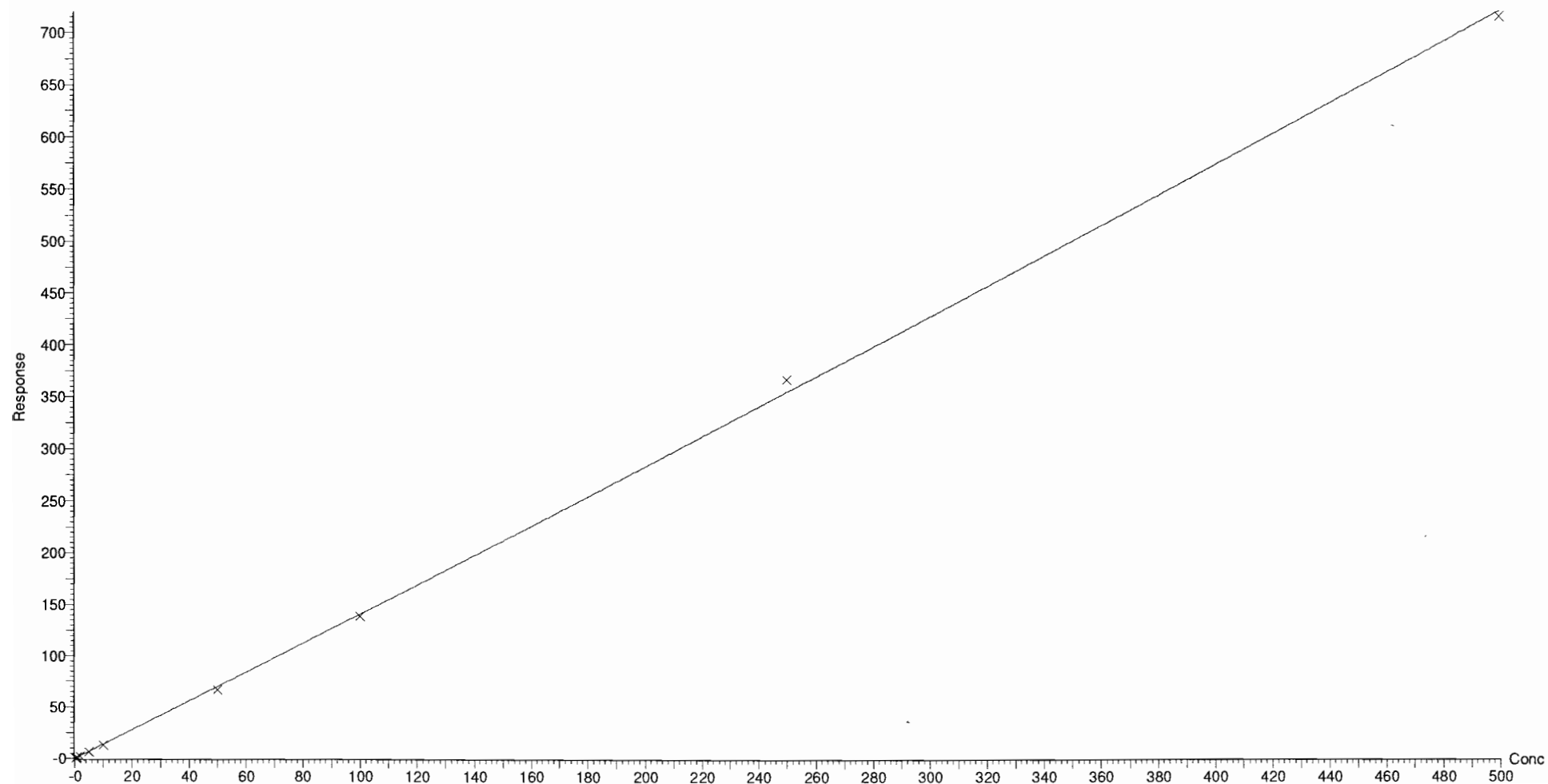


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:46 Pacific Daylight Time

Compound name: L-EIFOSAA
Coefficient of Determination: $R^2 = 0.999410$
Calibration curve: $8.30214e-005 * x^2 + 1.39854 * x + -0.0402896$
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



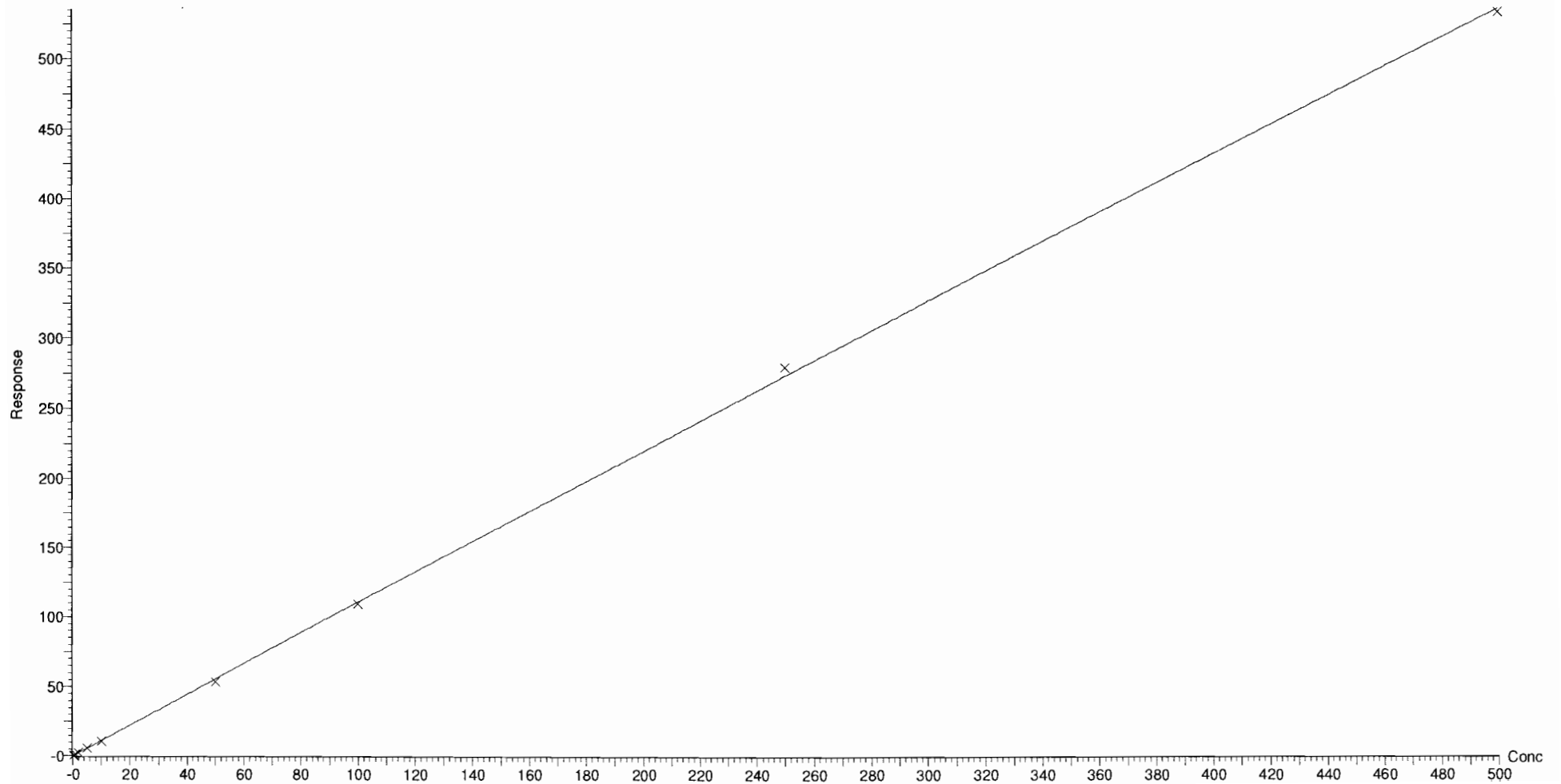
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Compound name: PFUdA
Coefficient of Determination: $R^2 = 0.999723$
Calibration curve: $-8.95425e-005 * x^2 + 1.11498 * x + 0.0984745$
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

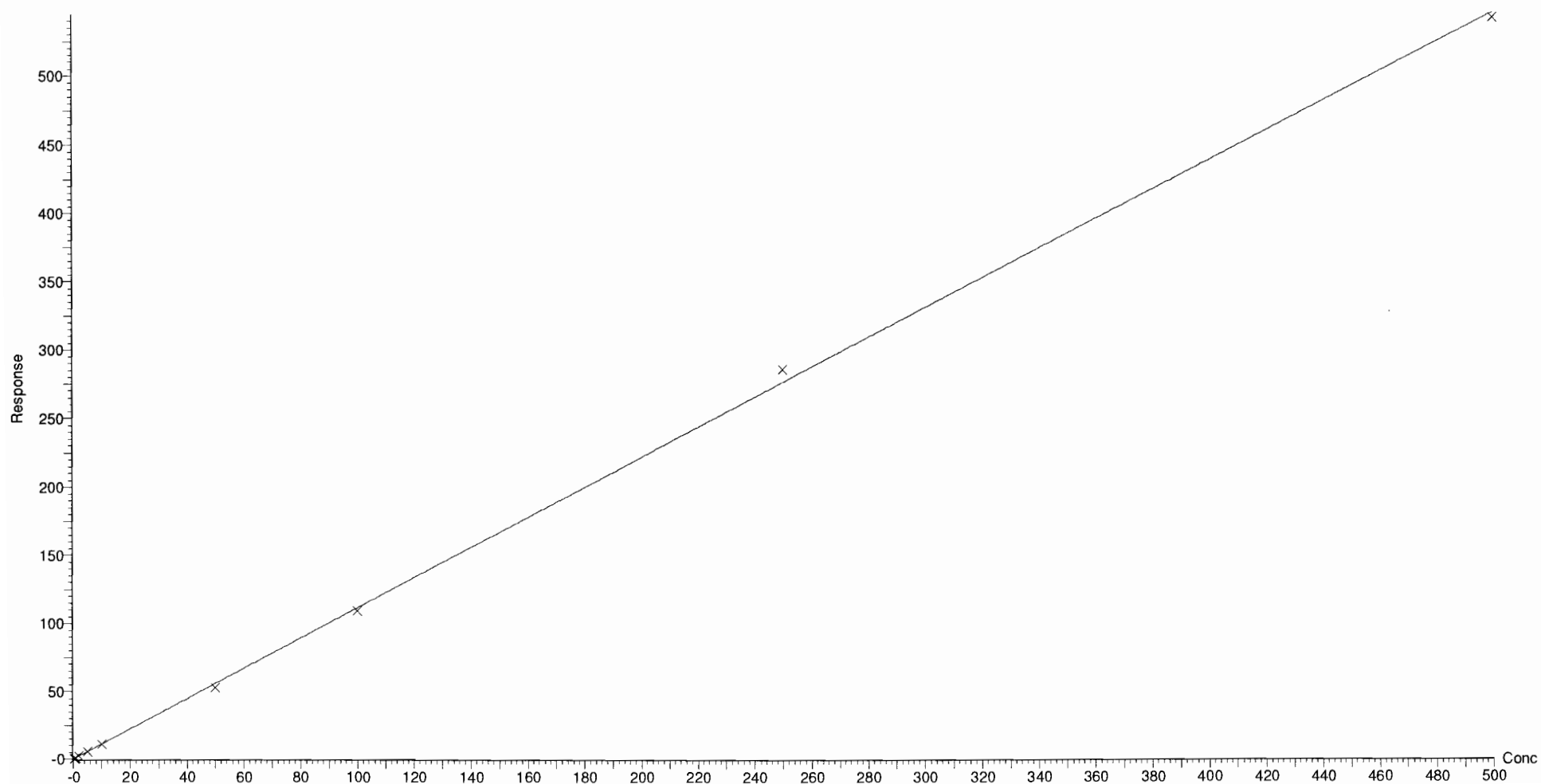
Compound name: PFDS

Coefficient of Determination: $R^2 = 0.999390$

Calibration curve: $-6.33374e-005 * x^2 + 1.12133 * x + 0.0134493$

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

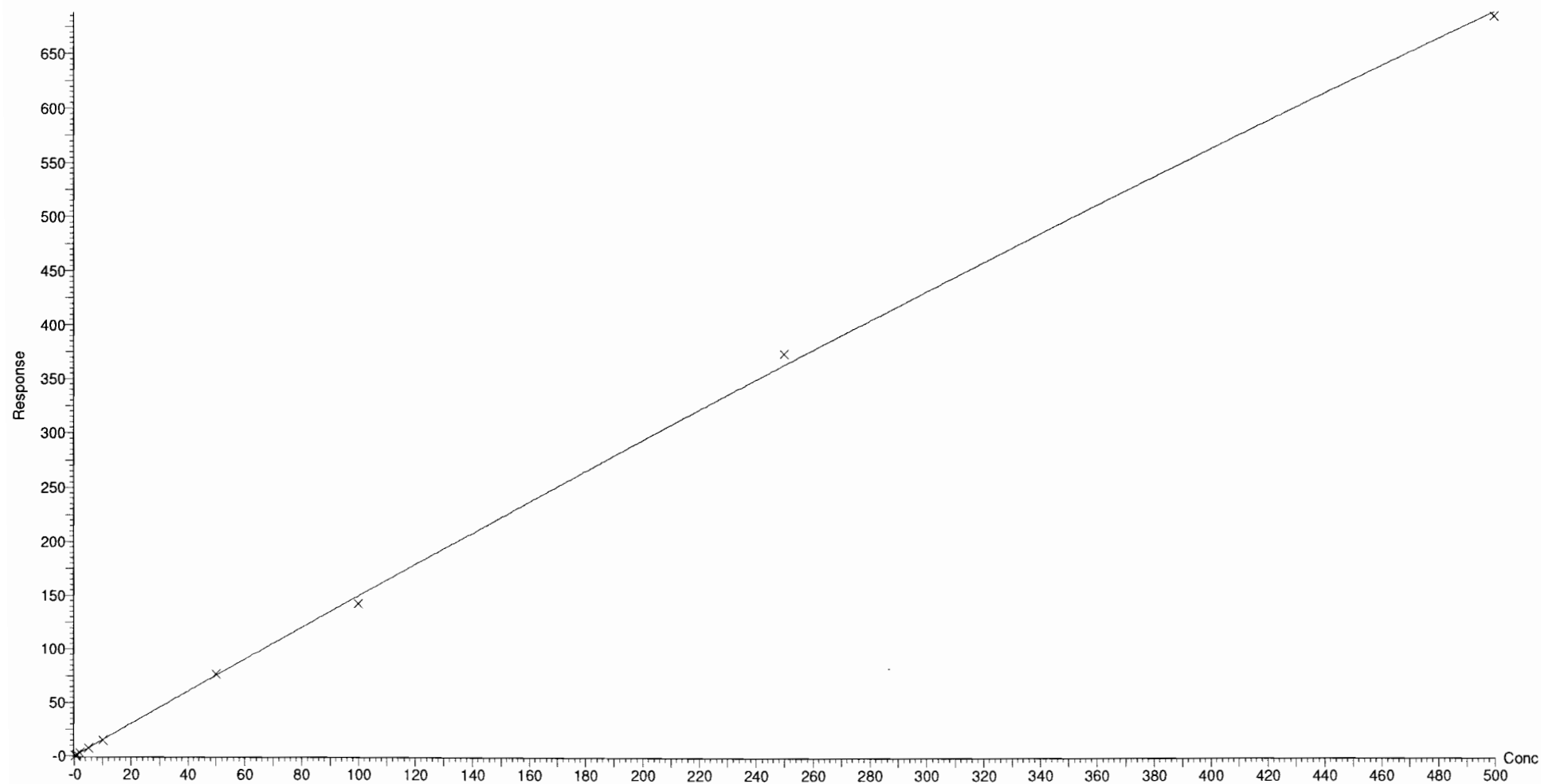
Compound name: PFDaA

Coefficient of Determination: $R^2 = 0.999397$

Calibration curve: $-0.000304913 * x^2 + 1.52898 * x + 0.0755904$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

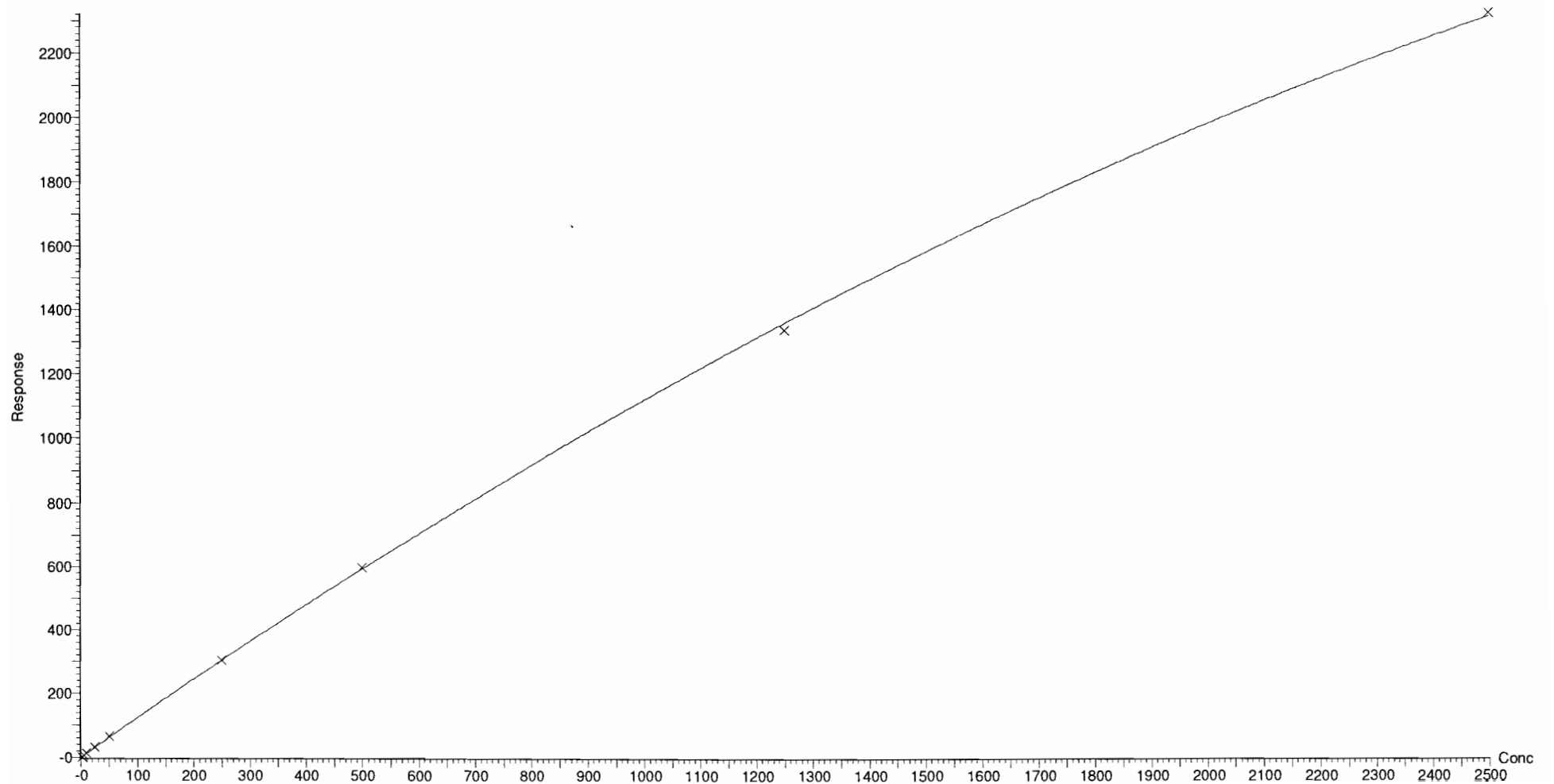
Compound name: N-MeFOSA

Coefficient of Determination: $R^2 = 0.999699$

Calibration curve: $-0.000130664 * x^2 + 1.25122 * x + 0.24391$

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

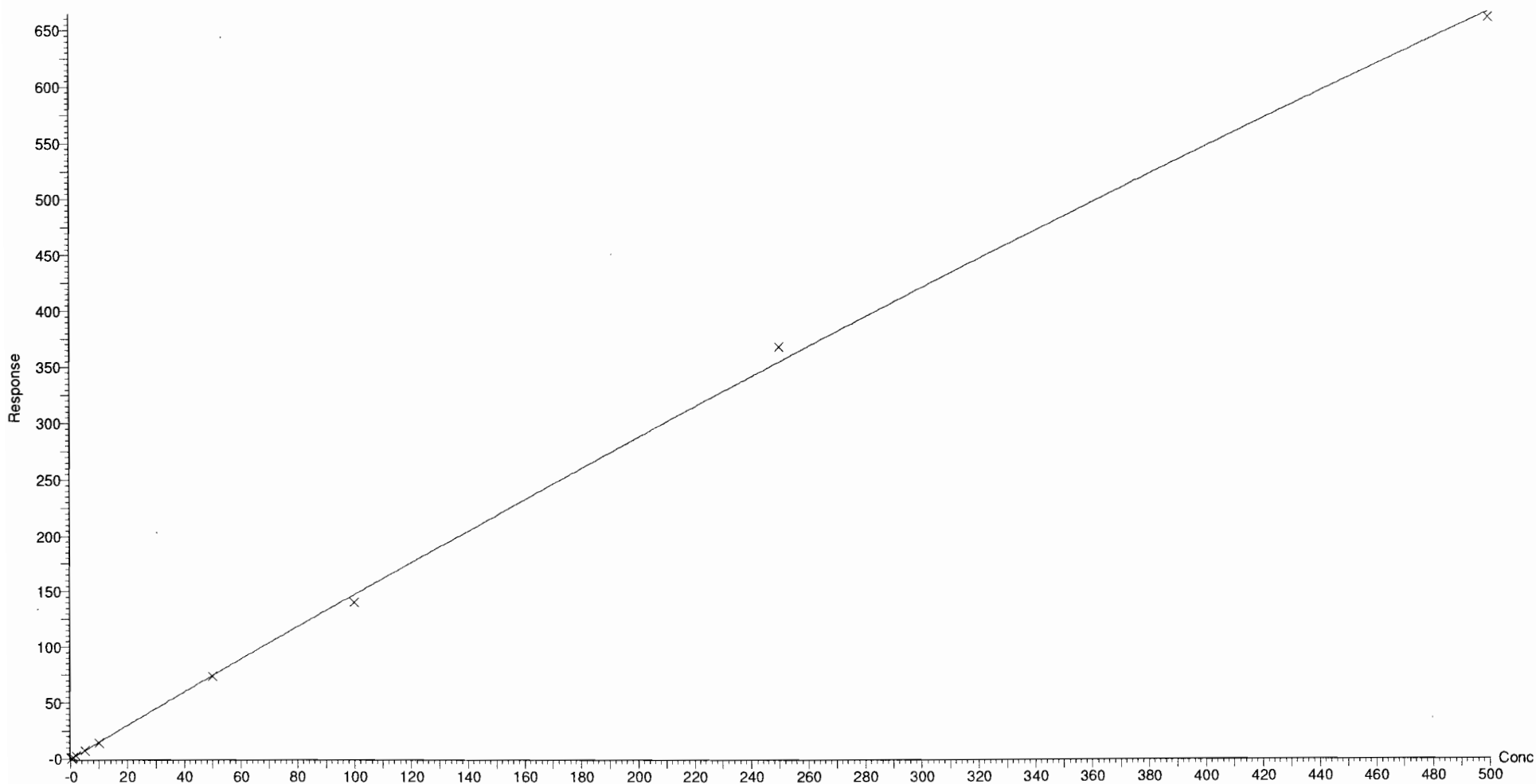
Compound name: PFTrDA

Coefficient of Determination: $R^2 = 0.999235$

Calibration curve: $-0.000359645 * x^2 + 1.50918 * x + 0.00174109$

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

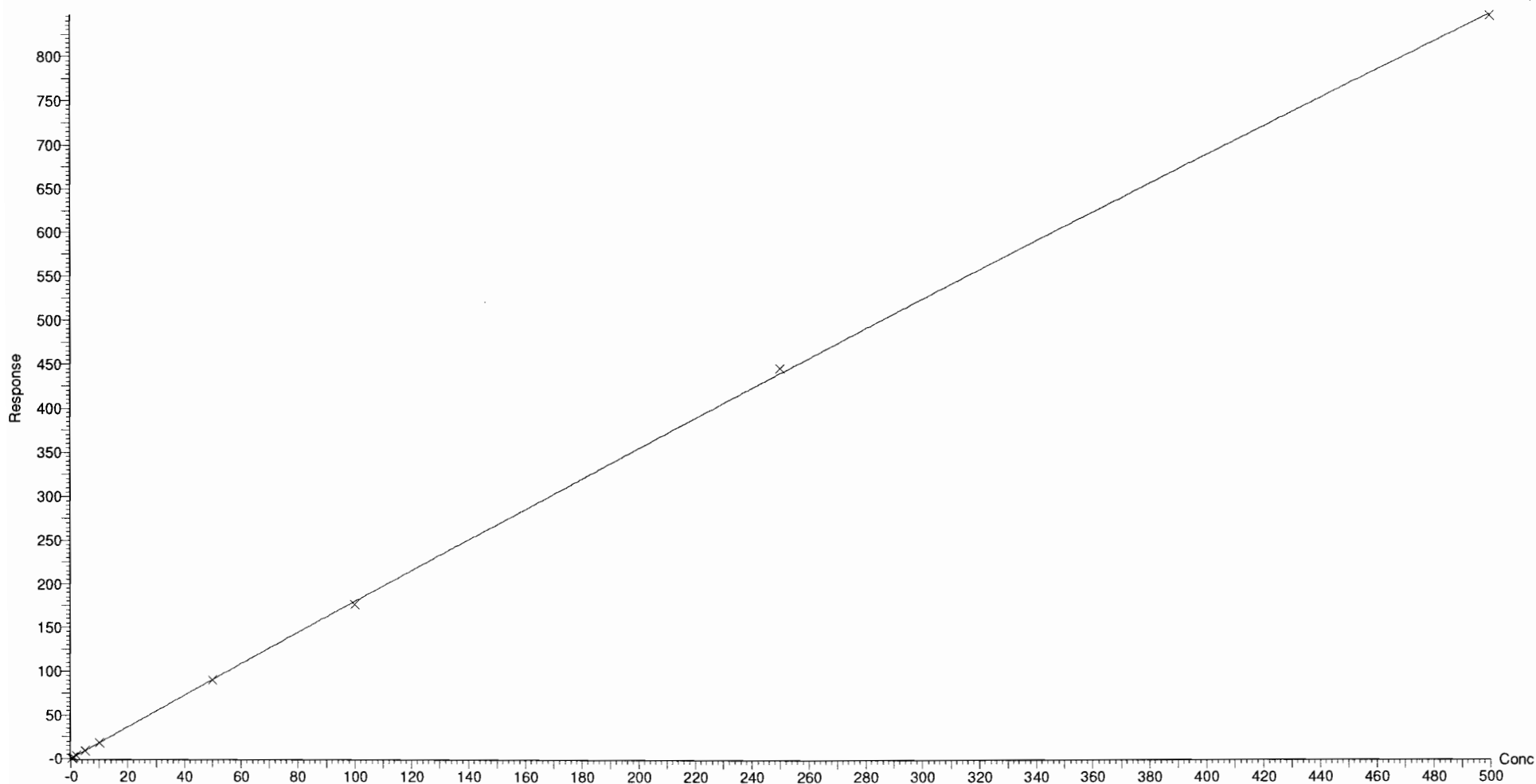
Compound name: PFTeDA

Coefficient of Determination: $R^2 = 0.999872$

Calibration curve: $-0.000263022 * x^2 + 1.82478 * x + 0.108216$

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

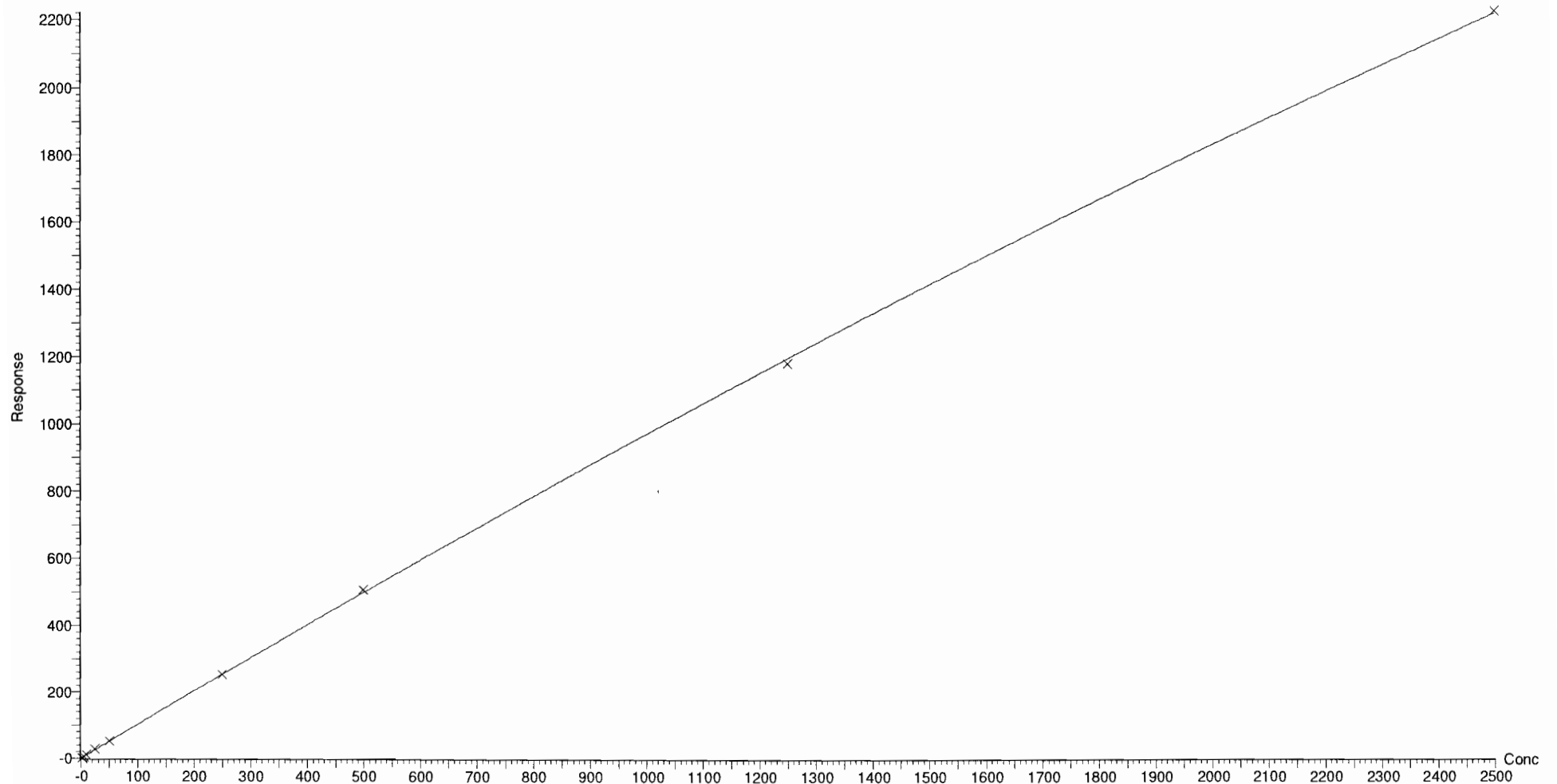
Compound name: N-EtFOSA

Coefficient of Determination: $R^2 = 0.999874$

Calibration curve: $-5.64953e-005 * x^2 + 1.02764 * x + 0.268723$

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

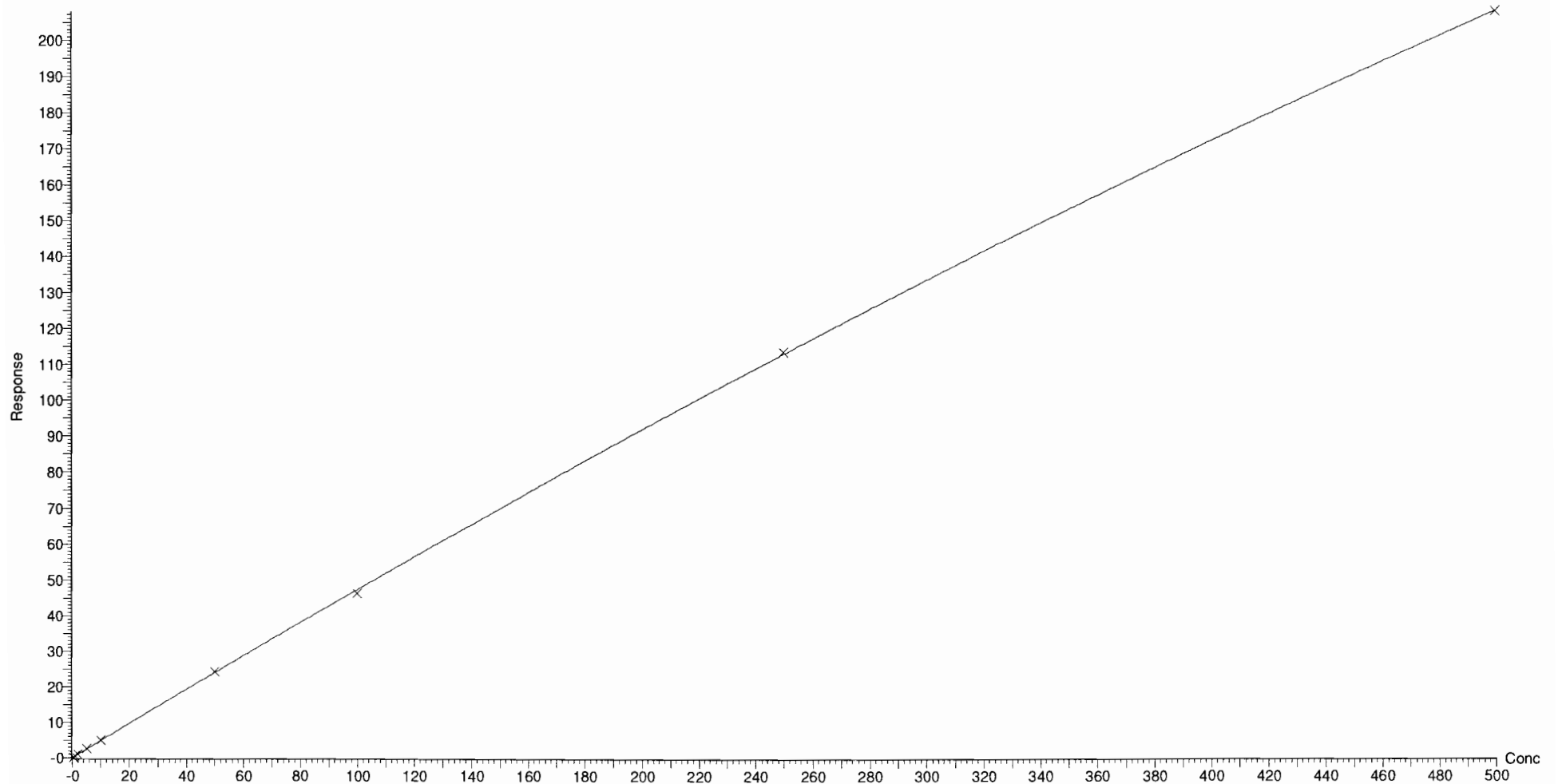
Compound name: PFHxDA

Coefficient of Determination: $R^2 = 0.999861$

Calibration curve: $-0.000144337 * x^2 + 0.487981 * x + 0.0549056$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

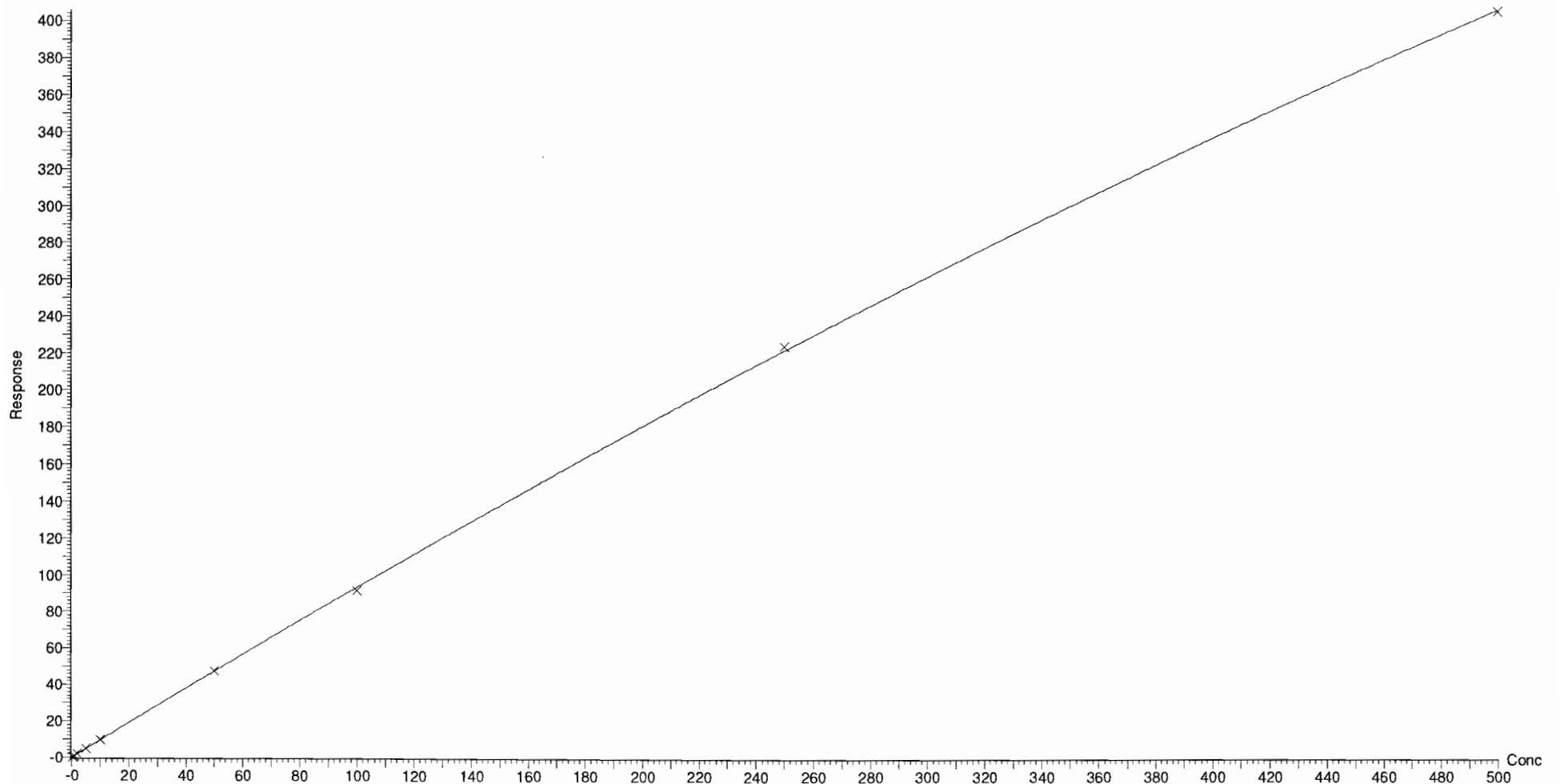
Compound name: PFODA

Coefficient of Determination: $R^2 = 0.999902$

Calibration curve: $-0.000307854 * x^2 + 0.965225 * x + 0.0245595$

Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

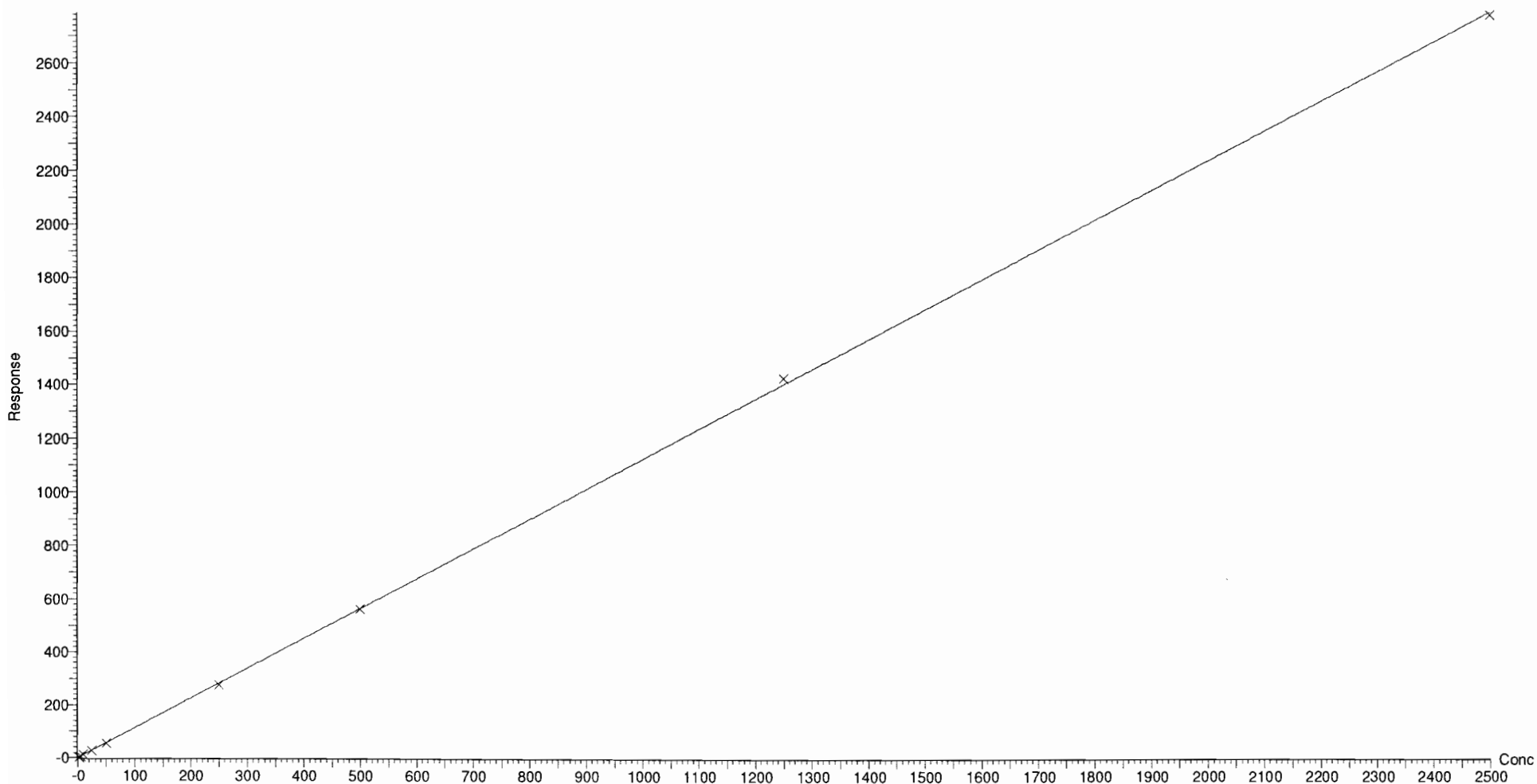
Compound name: N-MeFOSE

Coefficient of Determination: $R^2 = 0.999836$

Calibration curve: $-7.12233e-006 * x^2 + 1.13244 * x + 0.246067$

Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:19:54 Pacific Daylight Time

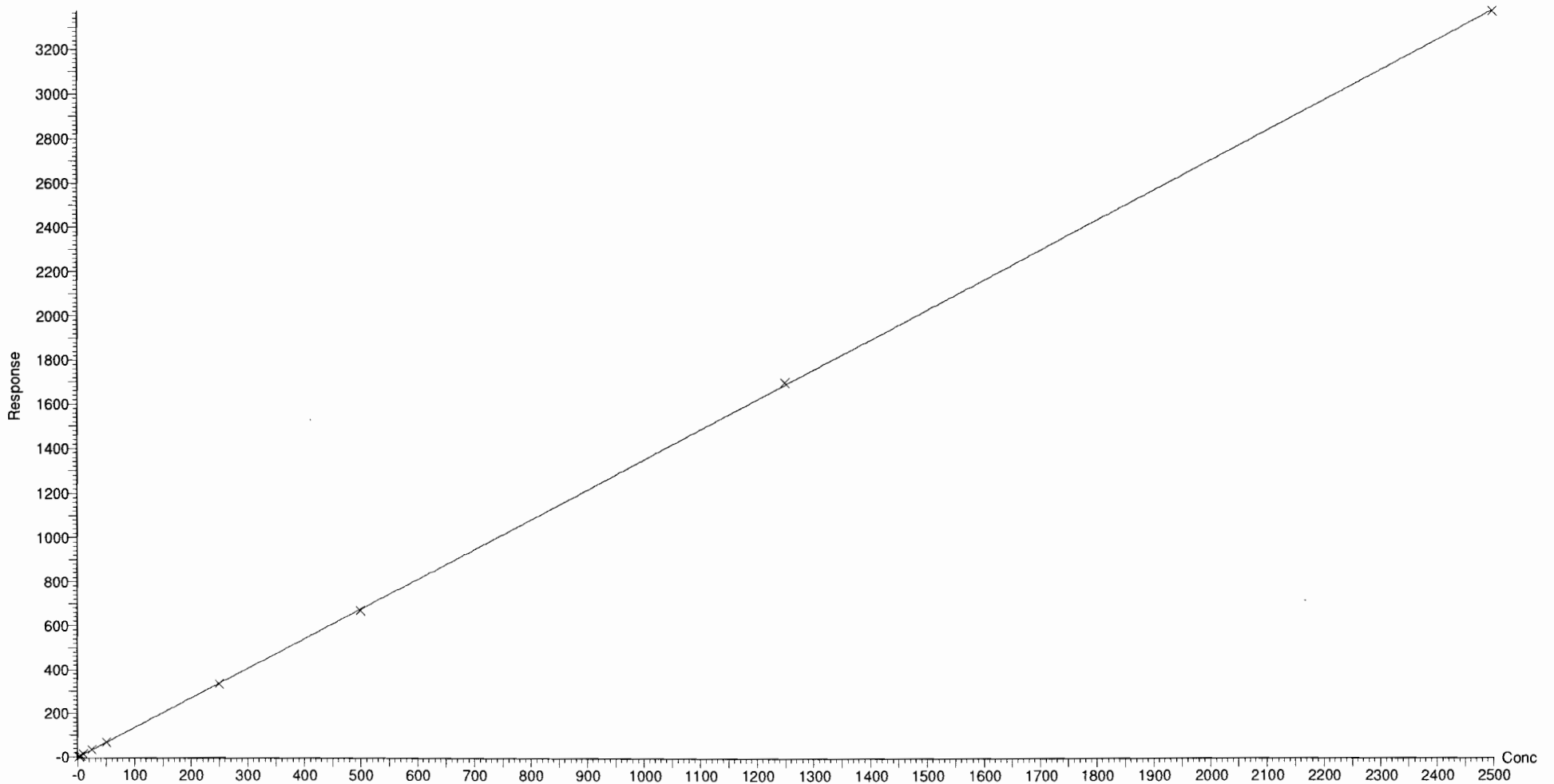
Compound name: N-EtFOSE

Coefficient of Determination: $R^2 = 0.999958$

Calibration curve: $-1.87286e-006 * x^2 + 1.35318 * x + 0.278906$

Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 15:13:20 Pacific Daylight Time

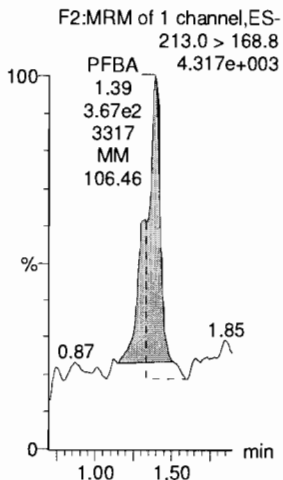
Printed: Wednesday, October 24, 2018 15:13:37 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

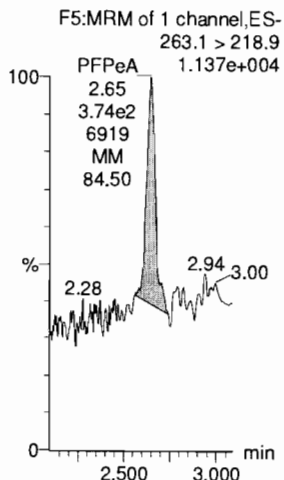
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

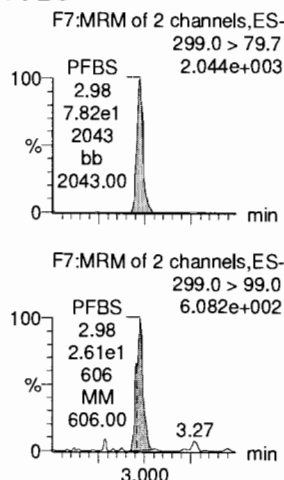
PFBA



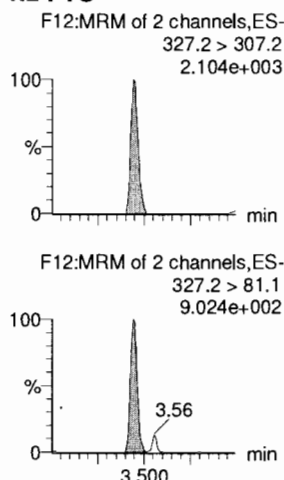
PFPeA



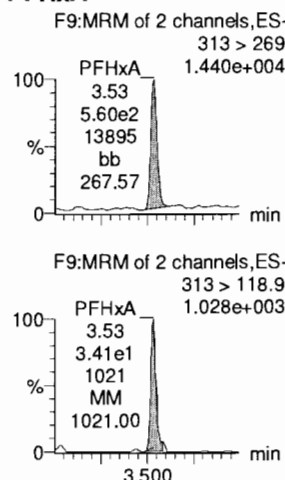
PFBS



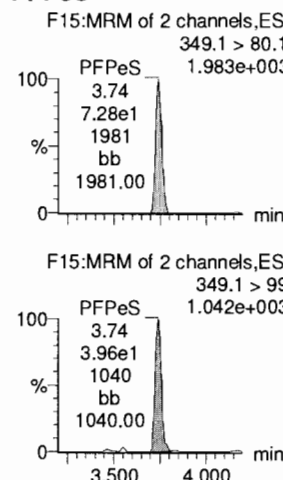
4:2 FTS



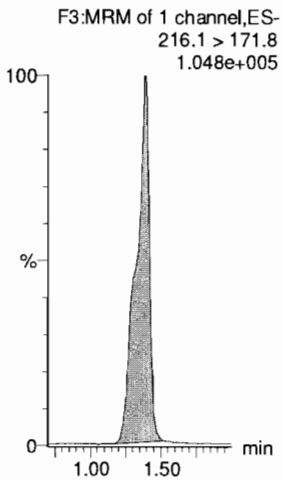
PFHxA



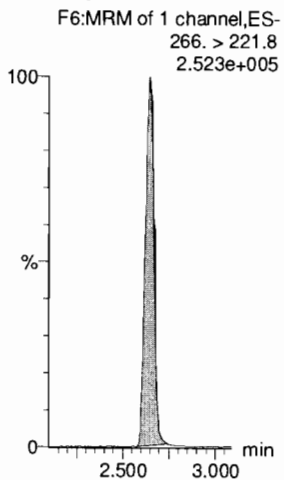
PFPeS



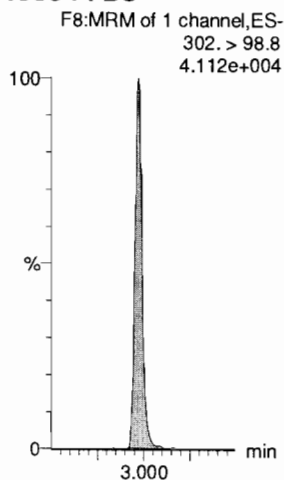
13C3-PFBA



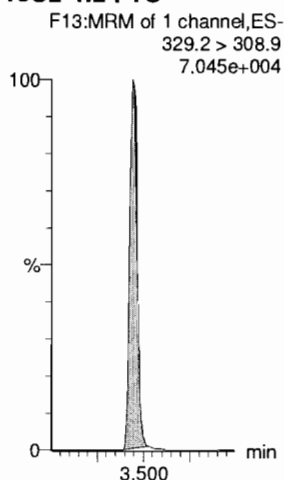
13C3-PFPeA



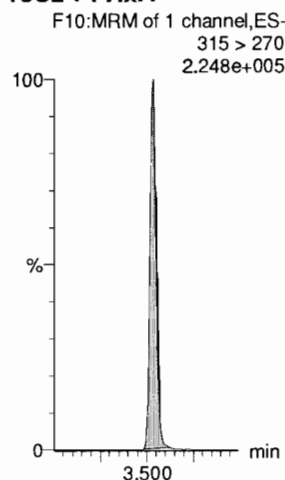
13C3-PFBS



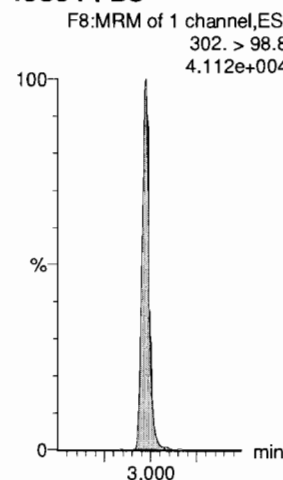
13C2-4:2 FTS



13C2-PFHxA



13C3-PFPeS



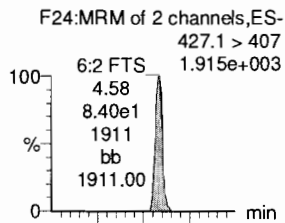
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

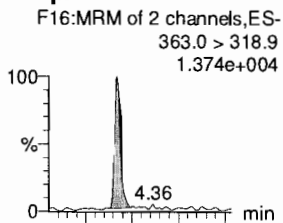
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

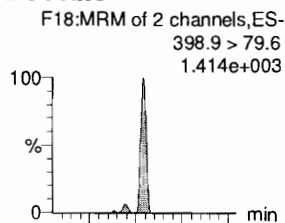
6:2 FTS



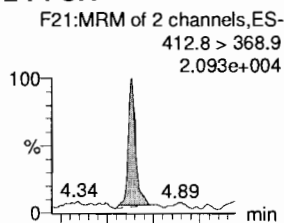
PFHpA



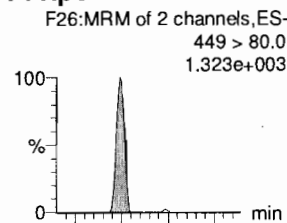
L-PFHxS



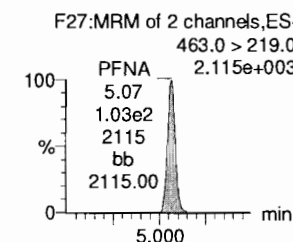
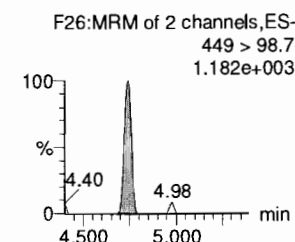
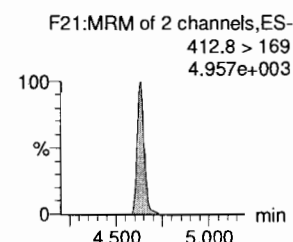
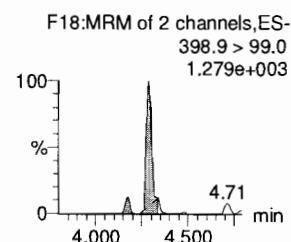
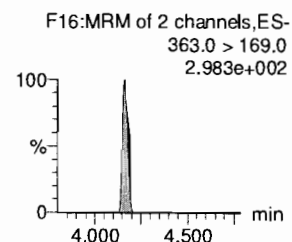
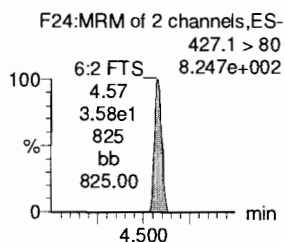
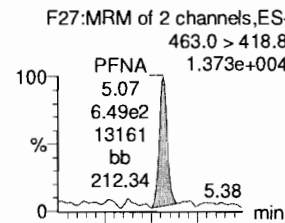
L-PFOA



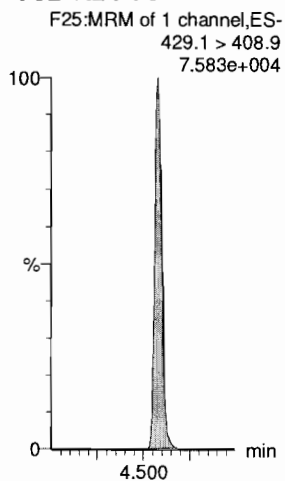
PFHpS



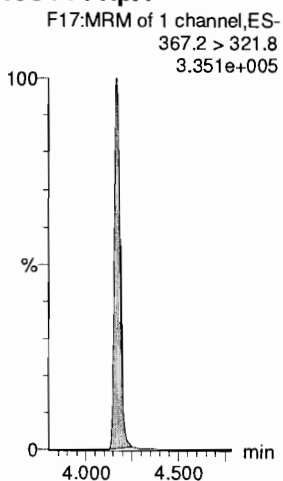
PFNA



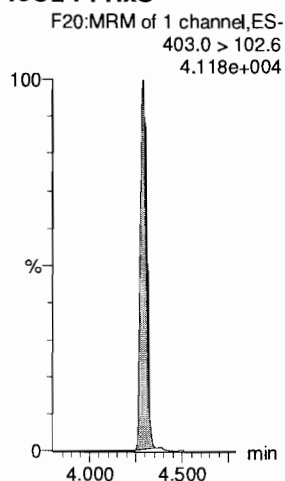
13C2-6:2 FTS



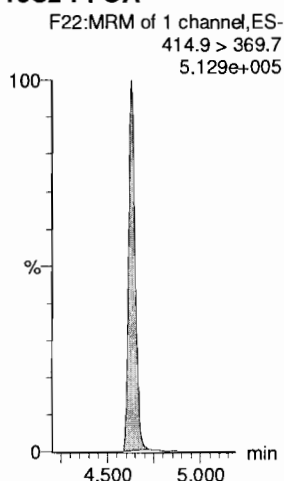
13C4-PFHpA



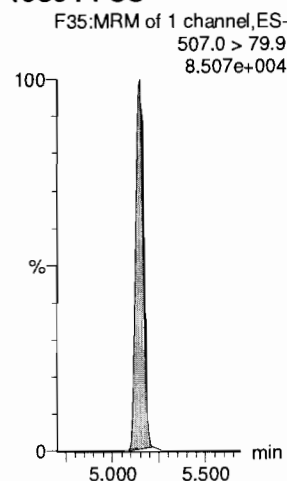
18O2-PFHxS



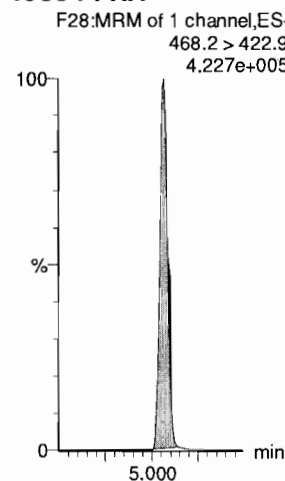
13C2-PFOA



13C8-PFOS



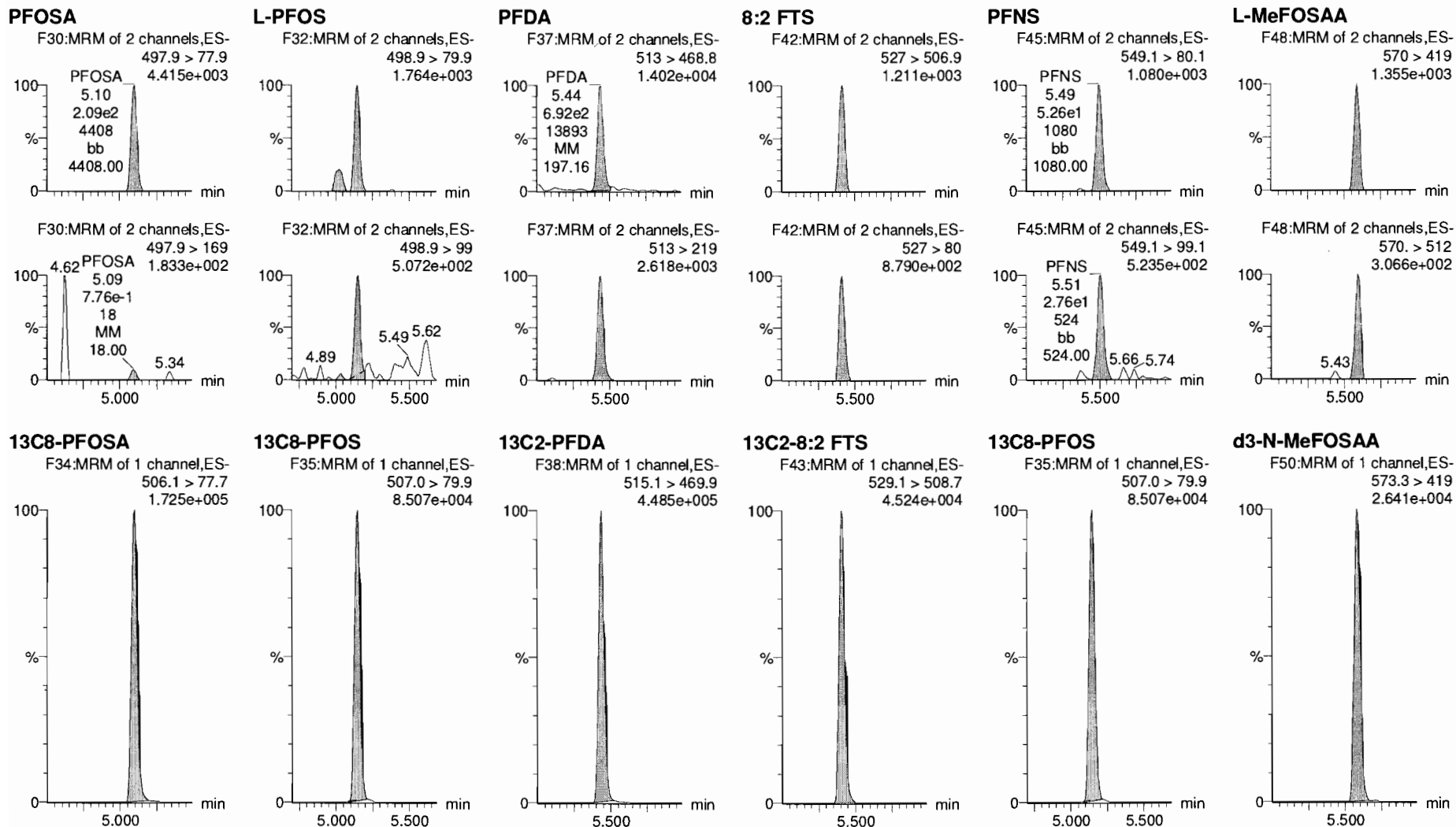
13C5-PFNA



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702



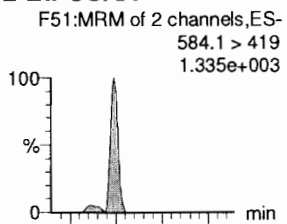
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

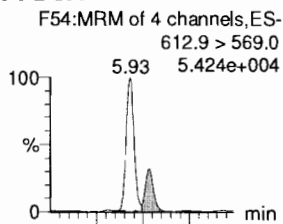
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702

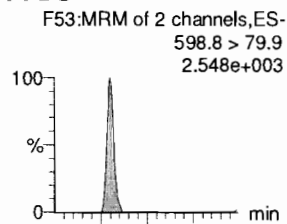
L-EtFOSAA



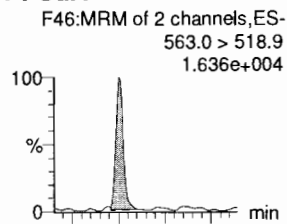
PFDoA



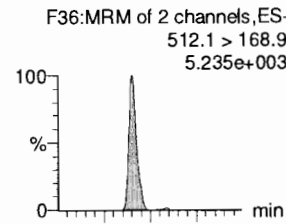
PFDS



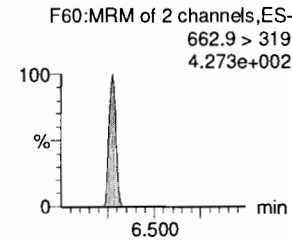
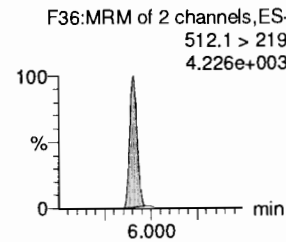
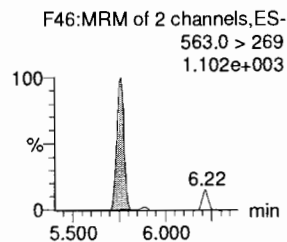
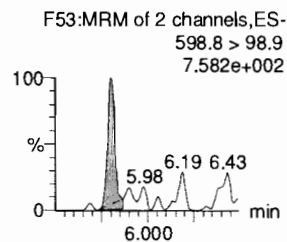
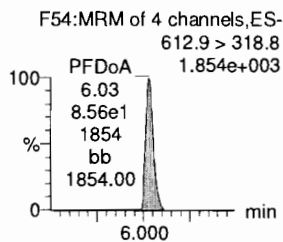
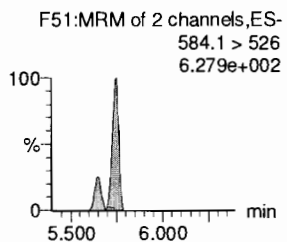
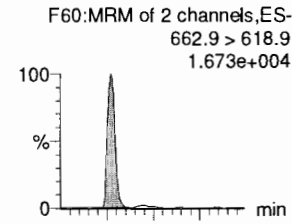
PFUdA



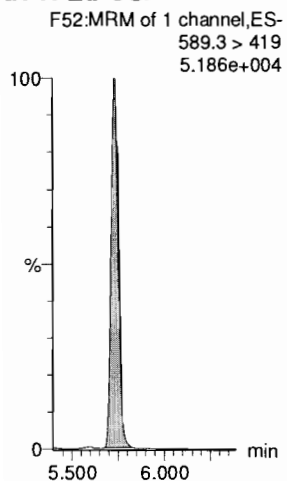
N-MeFOSA



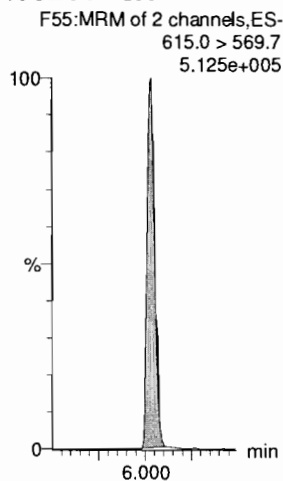
PFTrDA



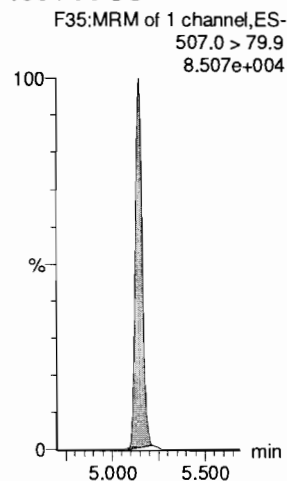
d5-N-EtFOSAA



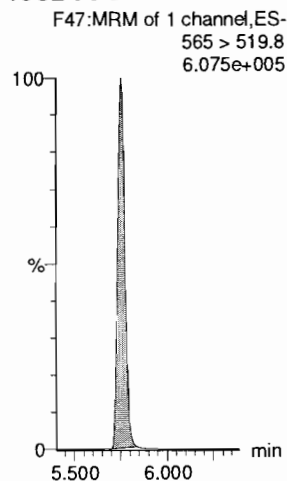
13C2-PFDoA



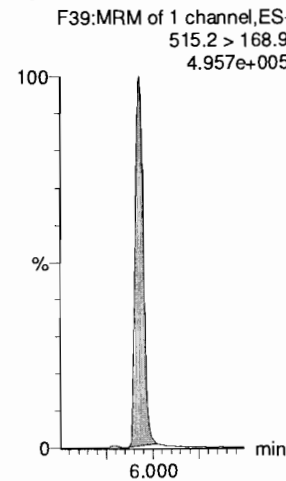
13C8-PFOS



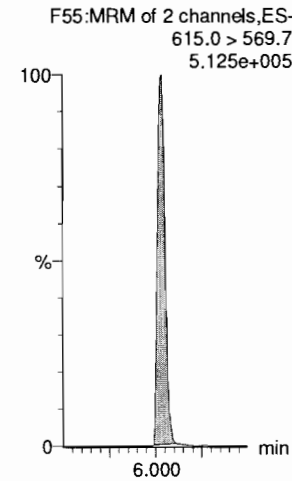
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

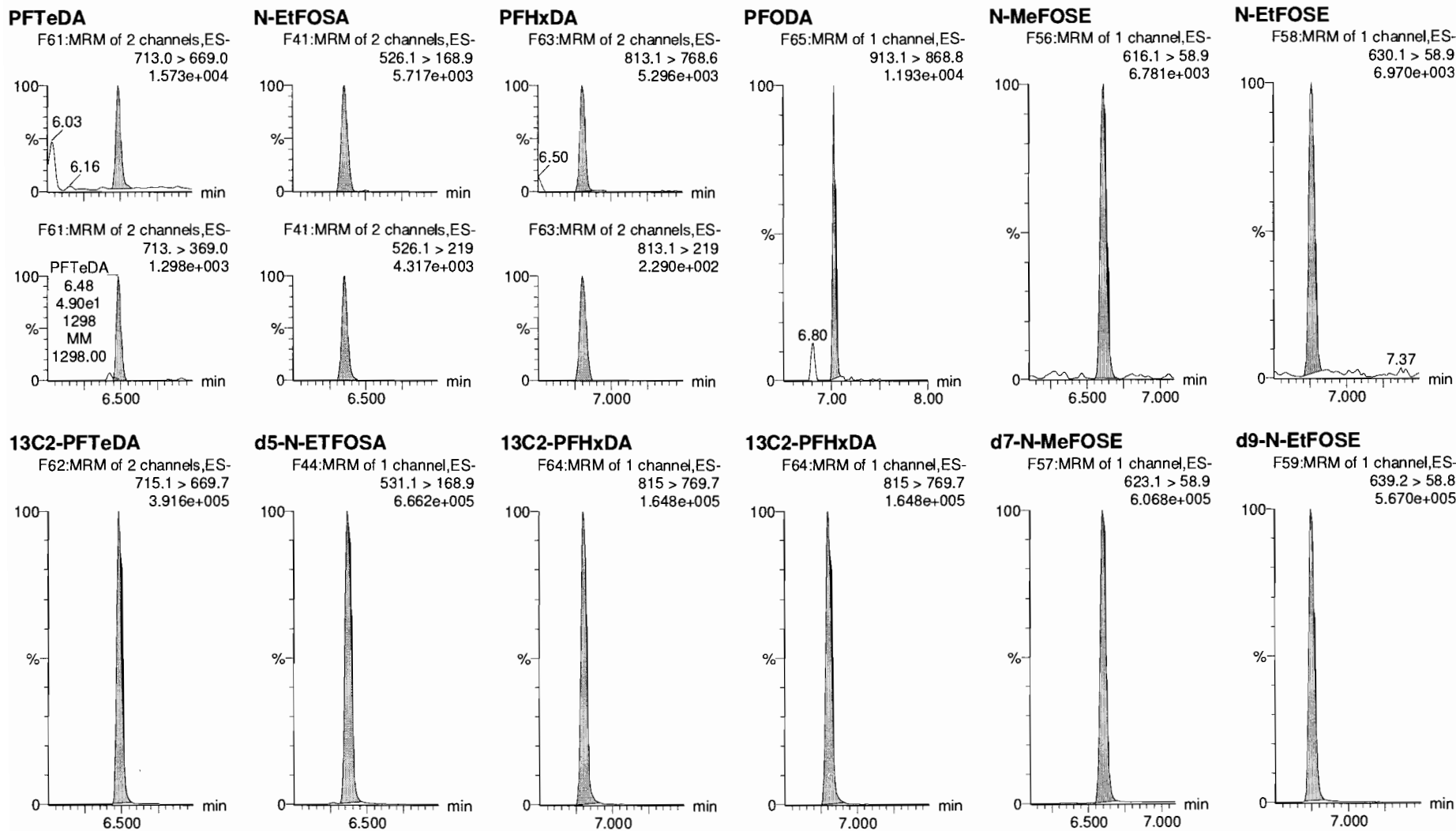


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_2, Date: 24-Oct-2018, Time: 11:19:00, ID: ST181024M2-1 PFC CS-2 18J1702, Description: PFC CS-2 18J1702



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

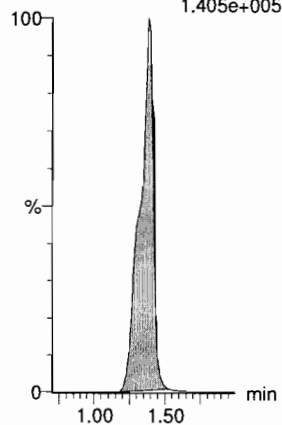
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

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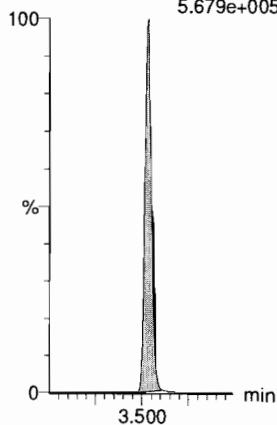
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.405e+005



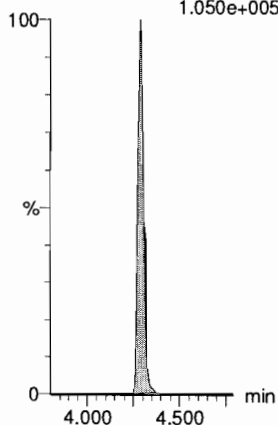
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.679e+005



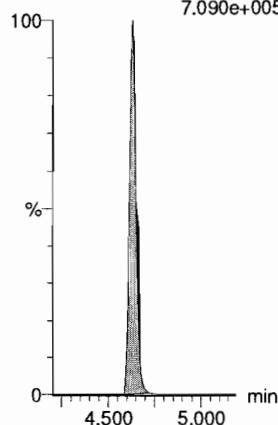
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.050e+005



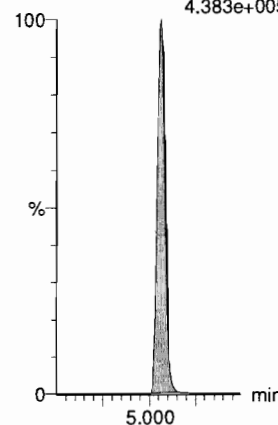
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
7.090e+005



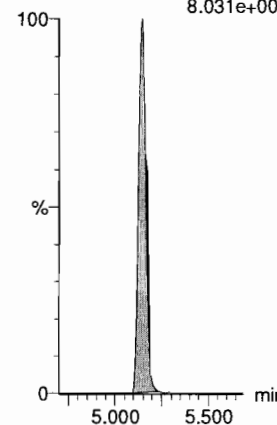
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.383e+005



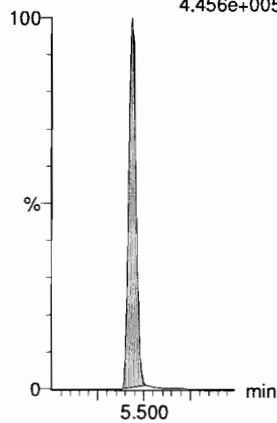
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.031e+004



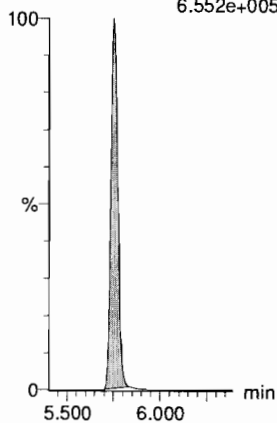
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.456e+005



13C7-PFUDa

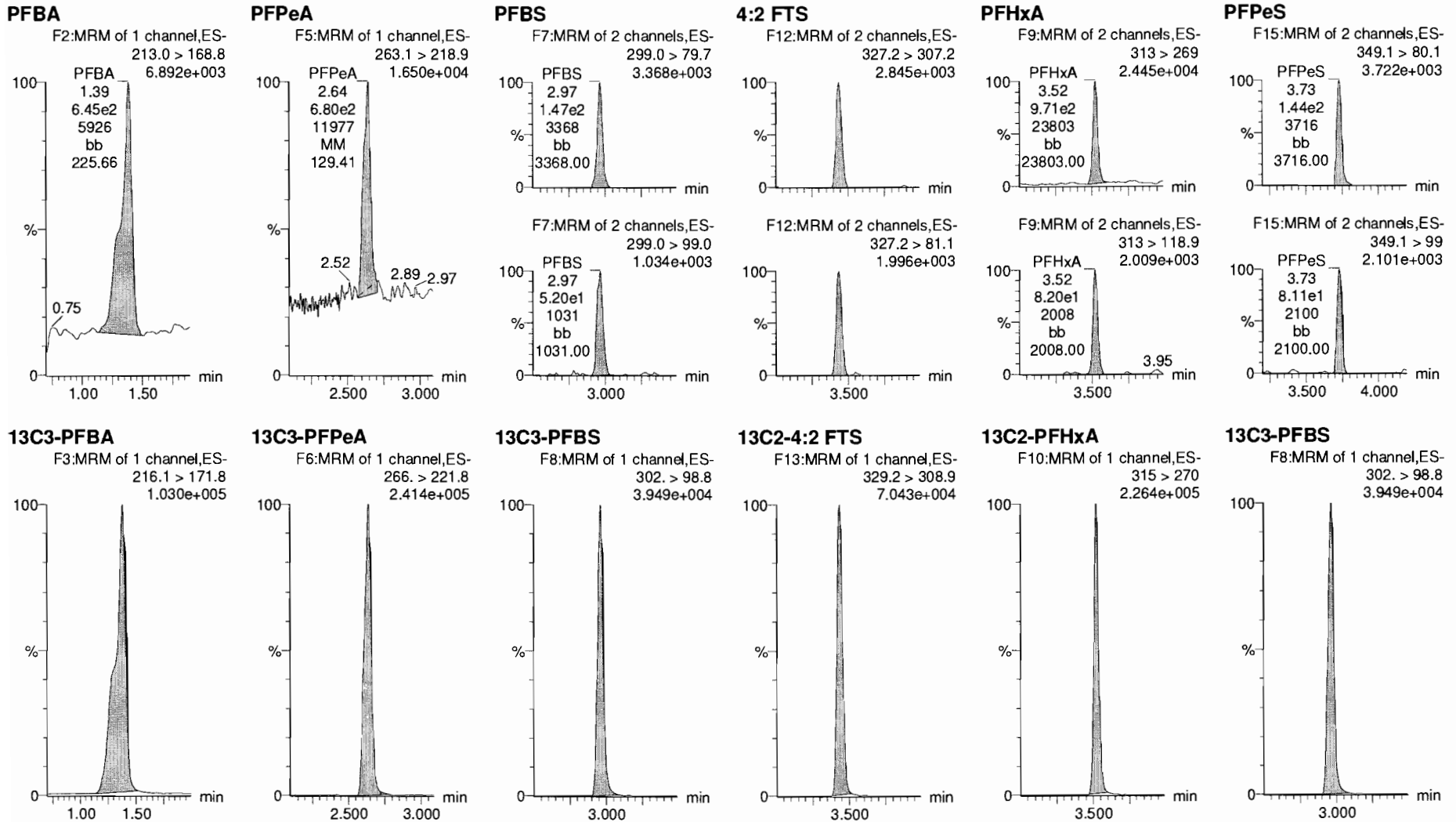
F49:MRM of 1 channel,ES-
570.1 > 524.8
6.552e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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Name: 181024M2_3, Date: 24-Oct-2018, Time: 11:29:33, ID: ST181024M2-2 PFC CS-1 18J1703, Description: PFC CS-1 18J1703

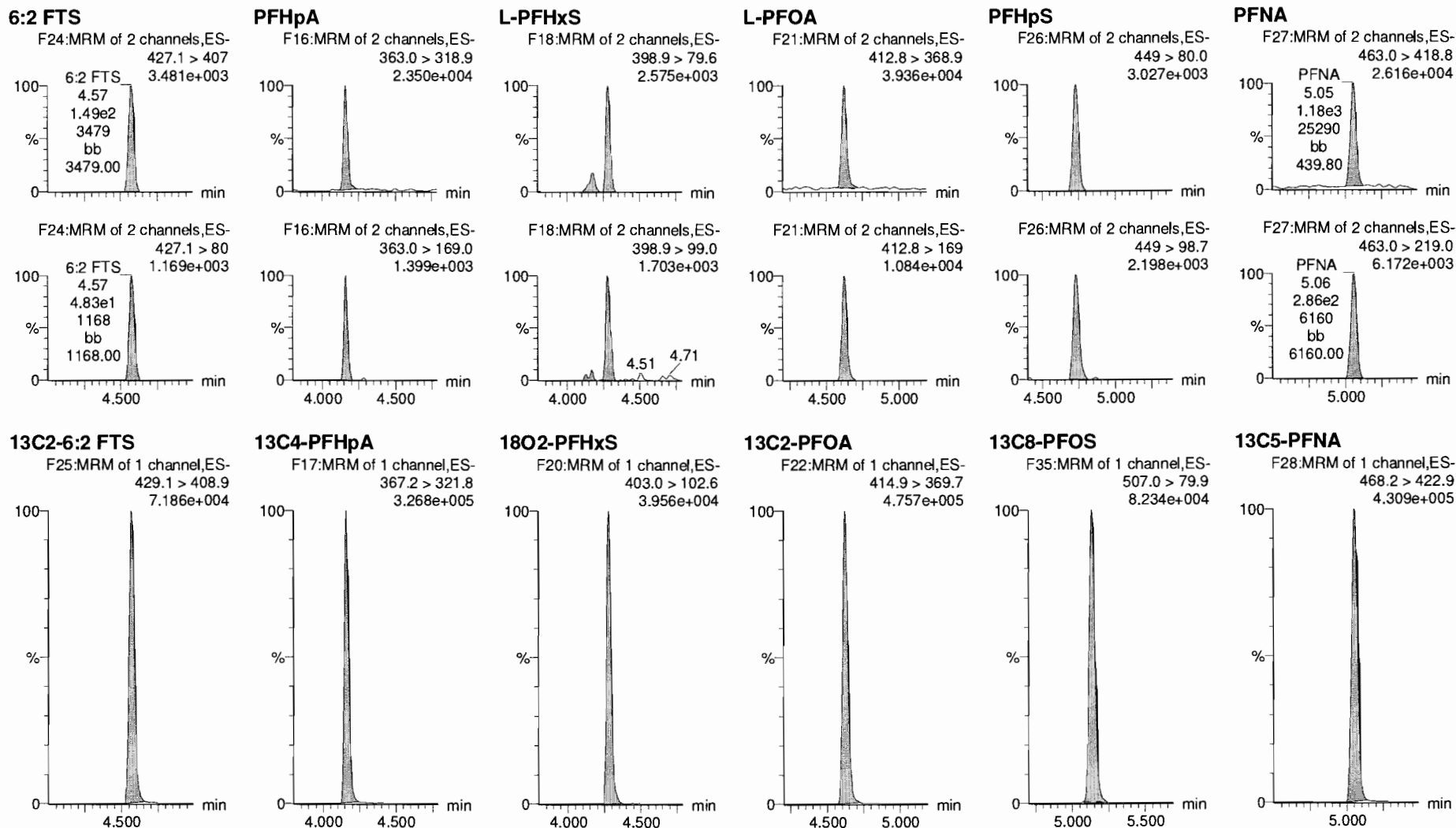


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Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

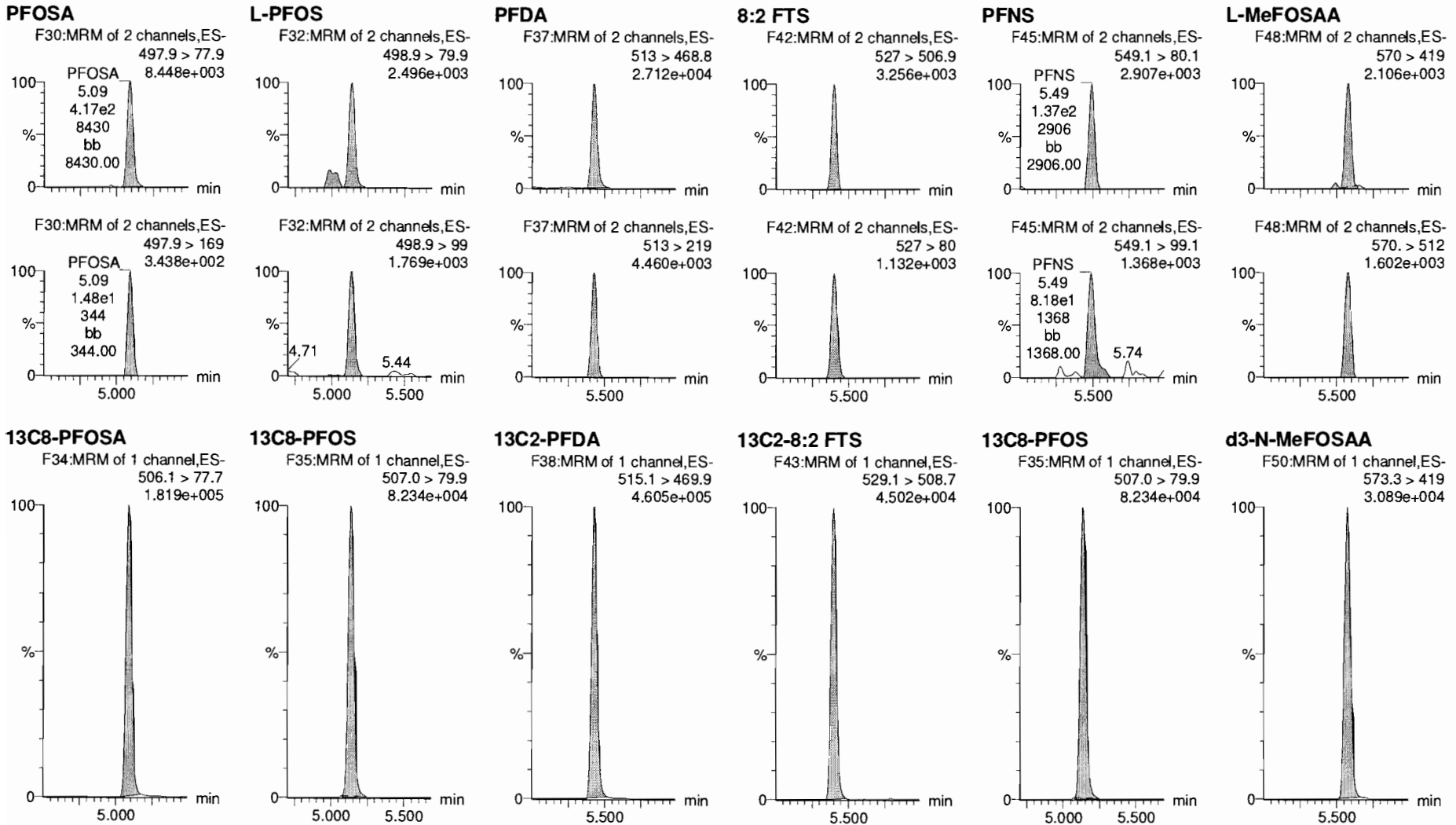
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Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_3, Date: 24-Oct-2018, Time: 11:29:33, ID: ST181024M2-2 PFC CS-1 18J1703, Description: PFC CS-1 18J1703



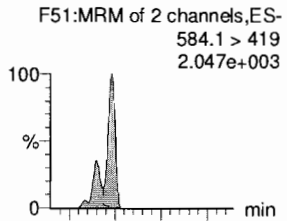
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Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

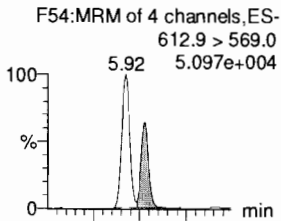
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_3, Date: 24-Oct-2018, Time: 11:29:33, ID: ST181024M2-2 PFC CS-1 18J1703, Description: PFC CS-1 18J1703

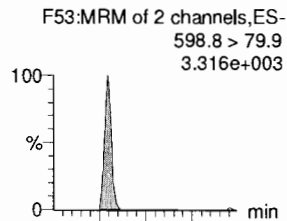
L-EtFOSAA



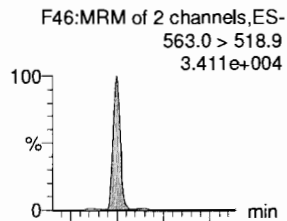
PFDoA



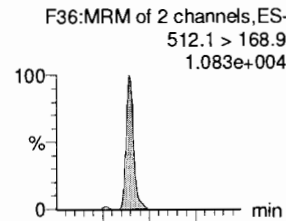
PFDS



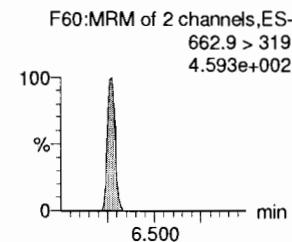
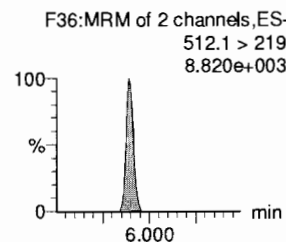
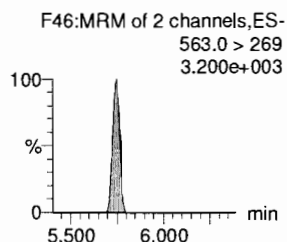
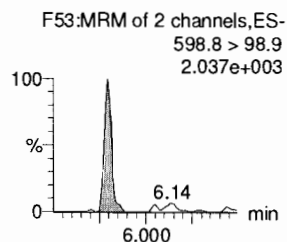
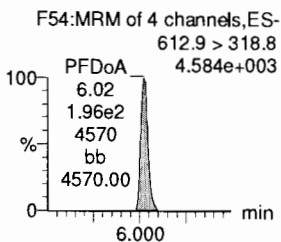
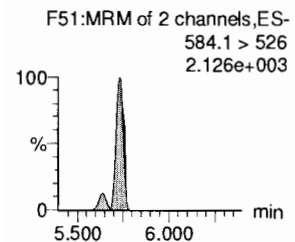
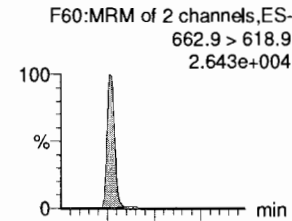
PFUdA



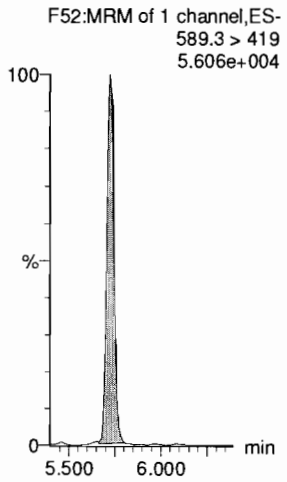
N-MeFOSA



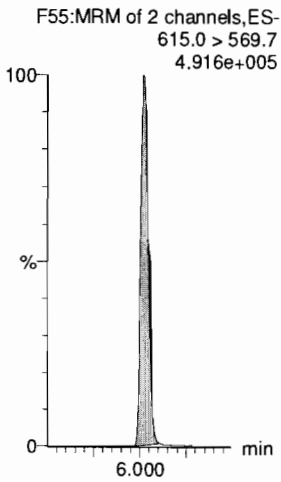
PFTrDA



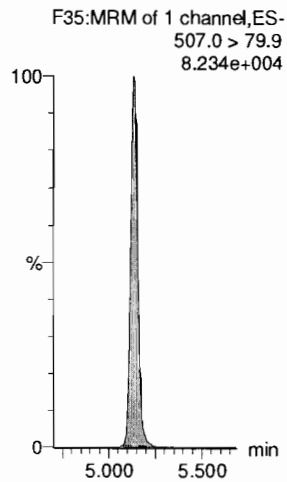
d5-N-EtFOSAA



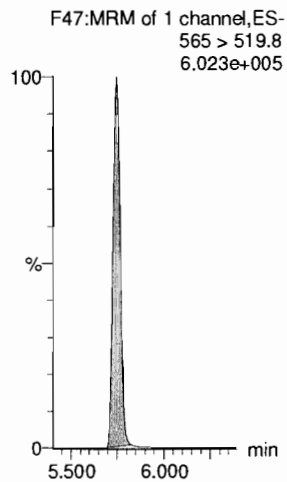
13C2-PFDoA



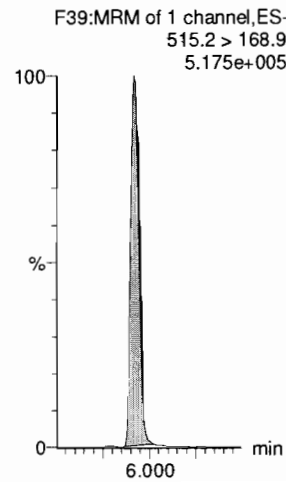
13C8-PFOS



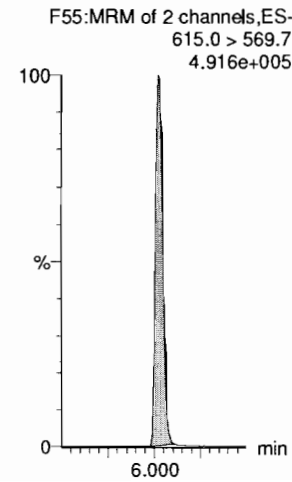
13C2-PFUdA



d3-N-MeFOSA



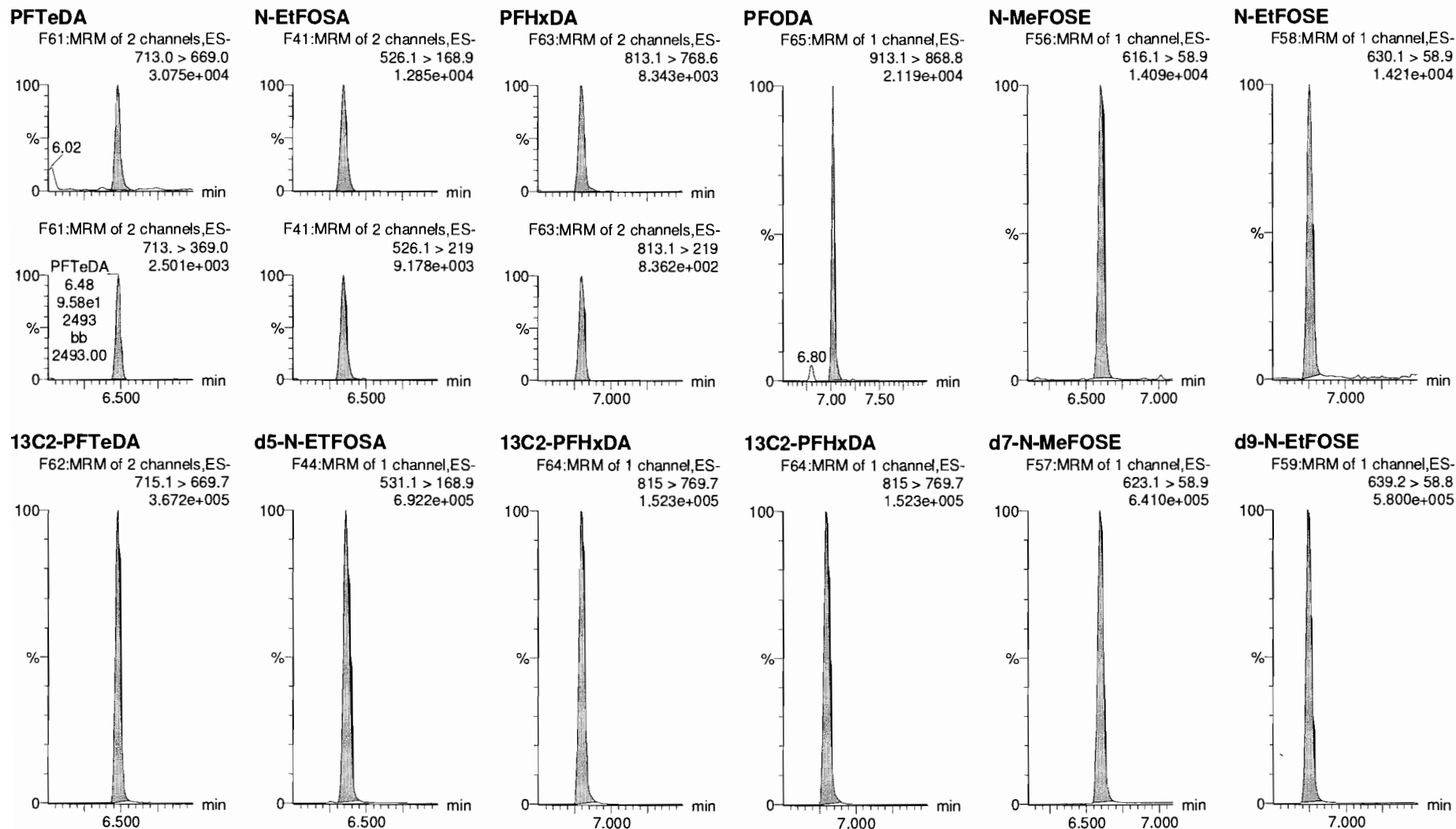
13C2-PFDoA



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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Name: 181024M2_3, Date: 24-Oct-2018, Time: 11:29:33, ID: ST181024M2-2 PFC CS-1 18J1703, Description: PFC CS-1 18J1703



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

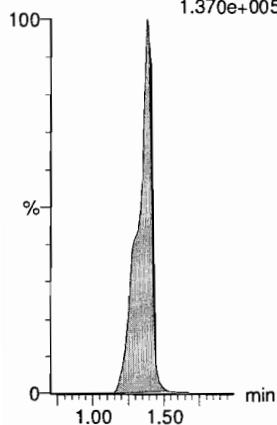
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

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Name: 181024M2_3, Date: 24-Oct-2018, Time: 11:29:33, ID: ST181024M2-2 PFC CS-1 18J1703, Description: PFC CS-1 18J1703

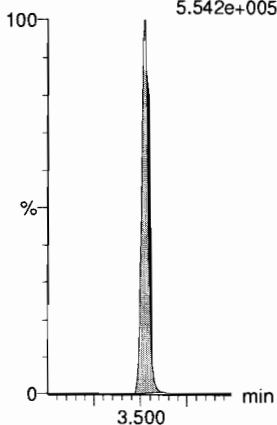
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.370e+005



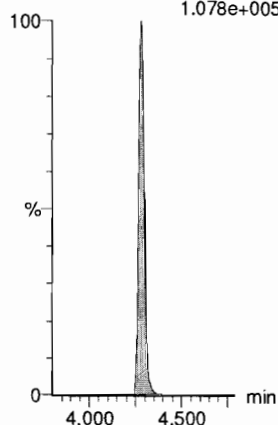
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.542e+005



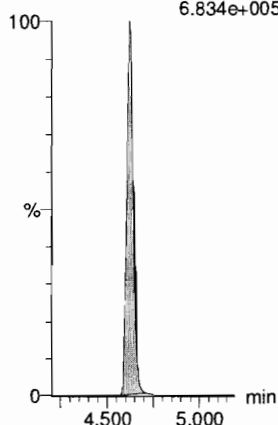
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.078e+005



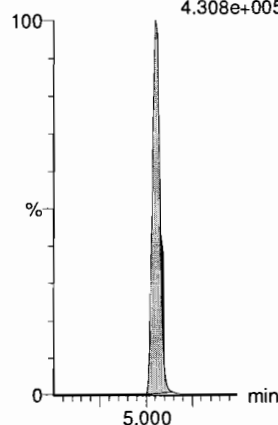
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.834e+005



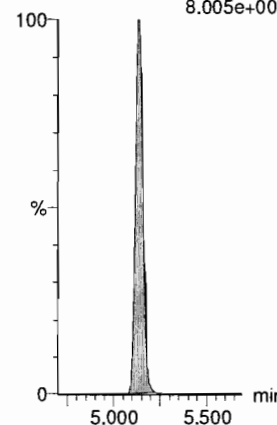
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.308e+005



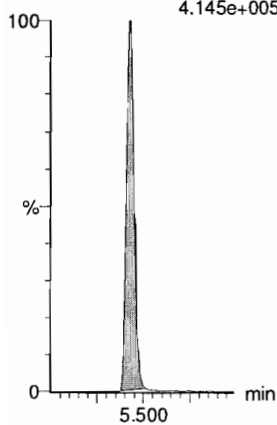
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.005e+004



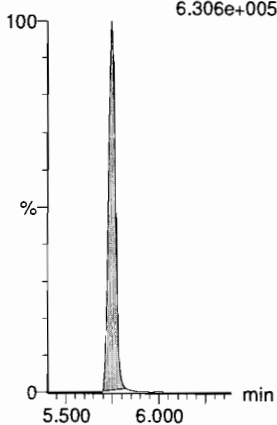
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.145e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.306e+005



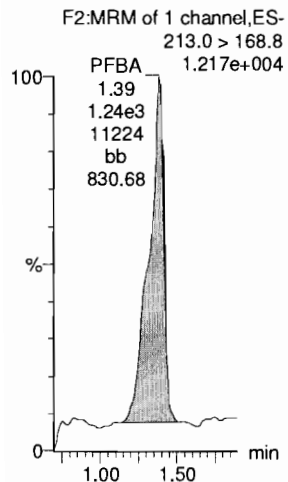
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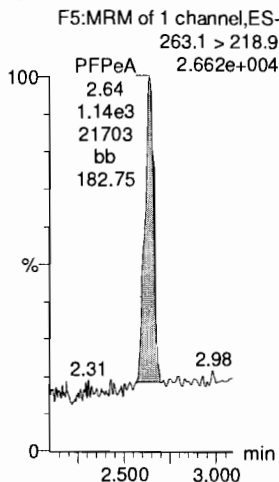
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Name: 181024M2_4, Date: 24-Oct-2018, Time: 11:40:12, ID: ST181024M2-3 PFC CS0 18J1704, Description: PFC CS0 18J1704

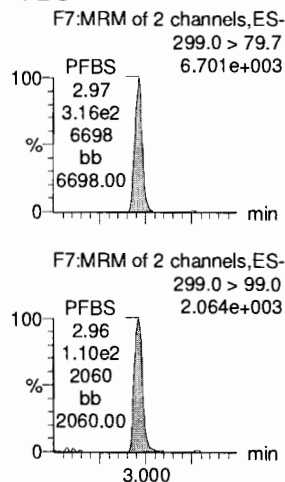
PFBA



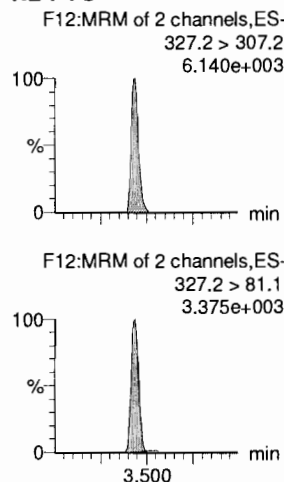
PFPeA



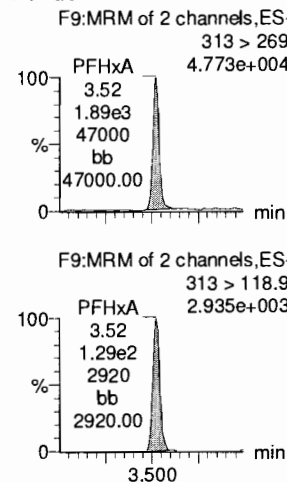
PFBS



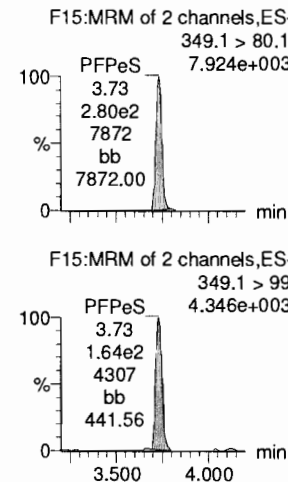
4:2 FTS



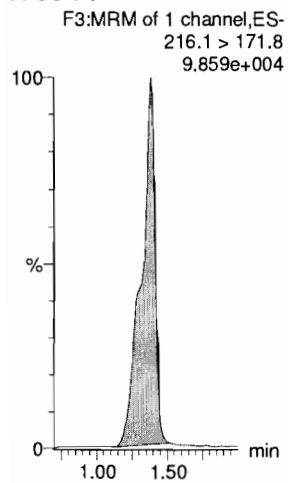
PFHxA



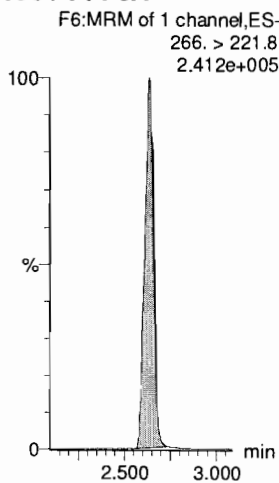
PFPeS



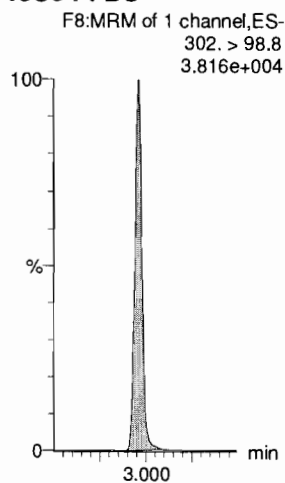
13C3-PFBA



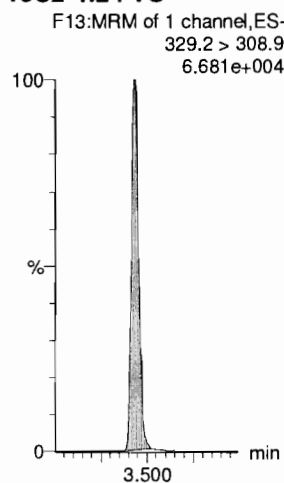
13C3-PFPeA



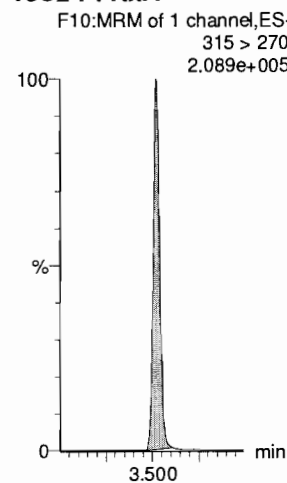
13C3-PFBS



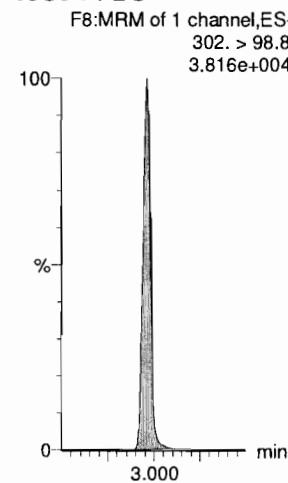
13C2-4:2 FTS



13C2-PFHxA



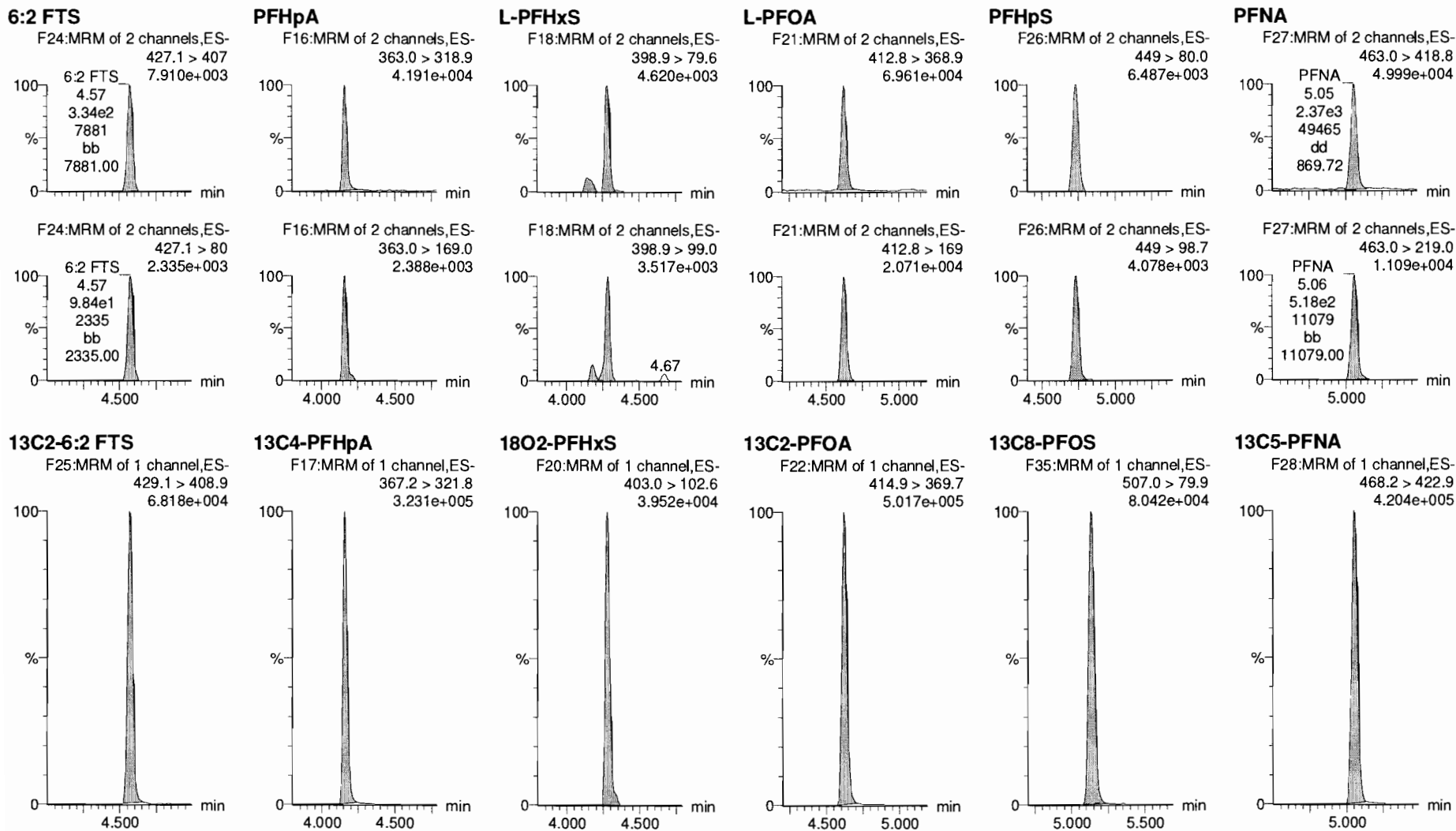
13C3-PFBS



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_4, Date: 24-Oct-2018, Time: 11:40:12, ID: ST181024M2-3 PFC CS0 18J1704, Description: PFC CS0 18J1704



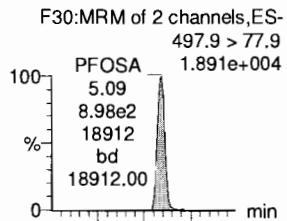
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Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

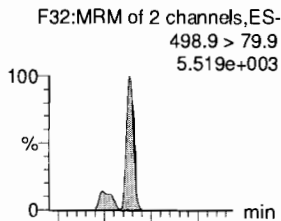
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Name: 181024M2_4, Date: 24-Oct-2018, Time: 11:40:12, ID: ST181024M2-3 PFC CS0 18J1704, Description: PFC CS0 18J1704

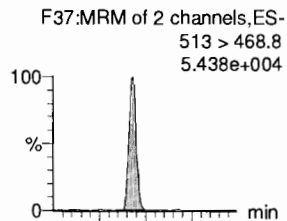
PFOSA



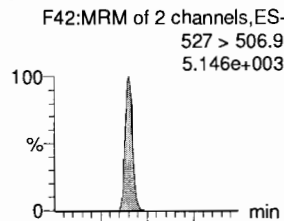
L-PFOS



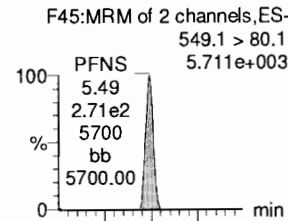
PFDA



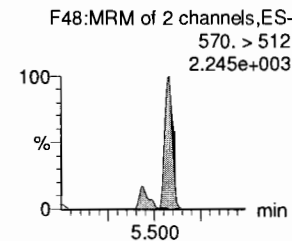
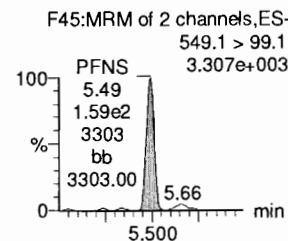
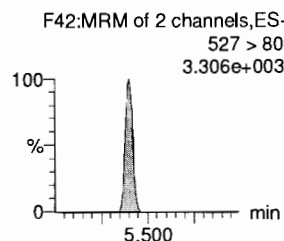
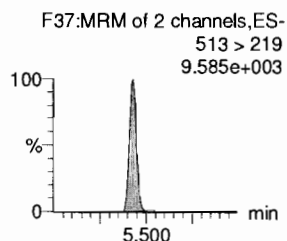
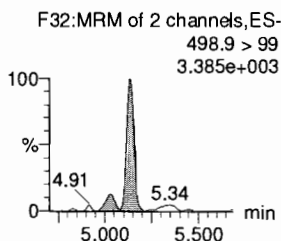
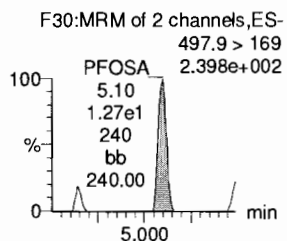
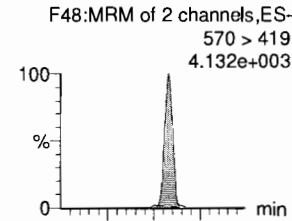
8:2 FTS



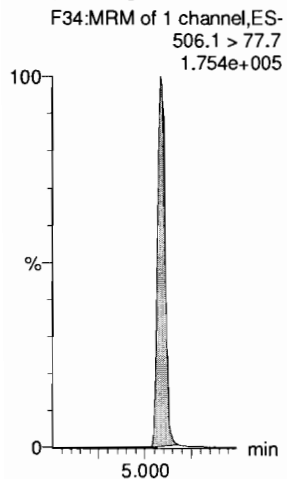
PFNS



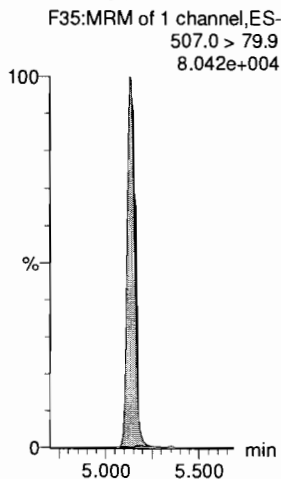
L-MeFOSAA



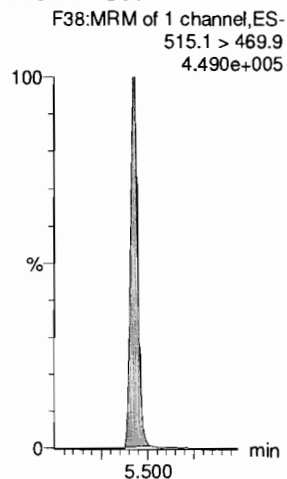
13C8-PFOSA



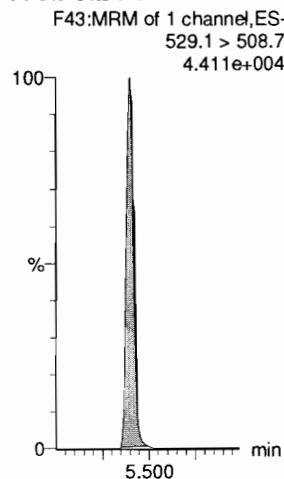
13C8-PFOS



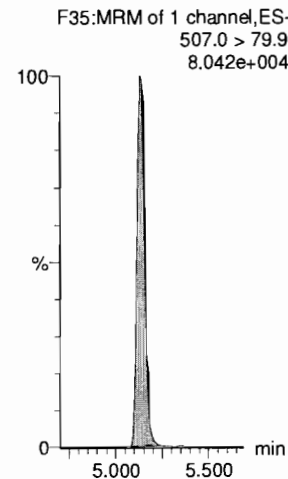
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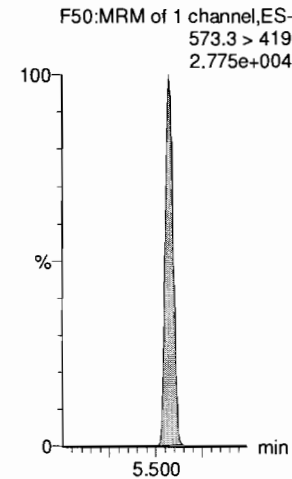
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA

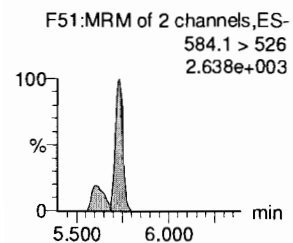
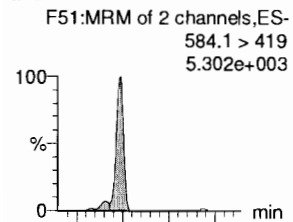


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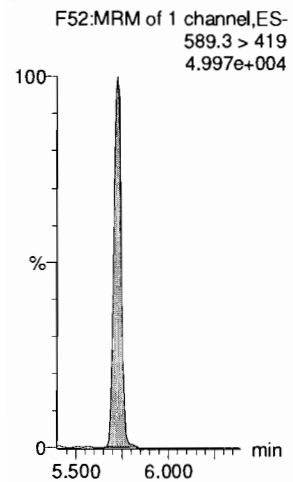
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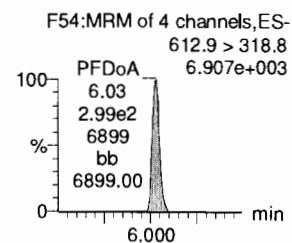
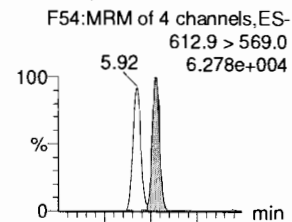
L-EtFOSAA



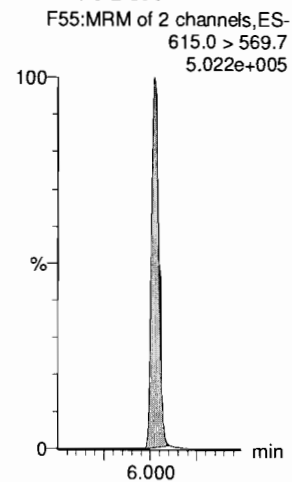
d5-N-EtFOSAA



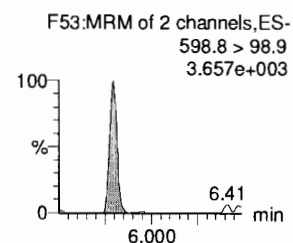
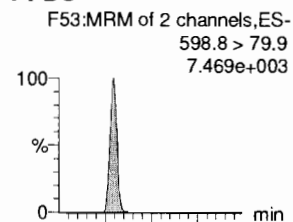
PFDaA



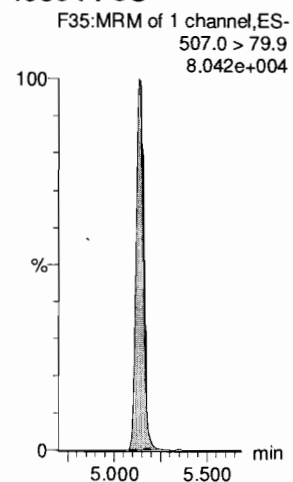
13C2-PFDaA



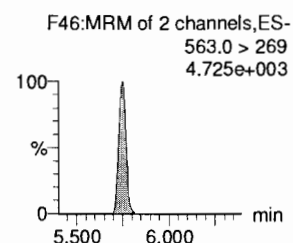
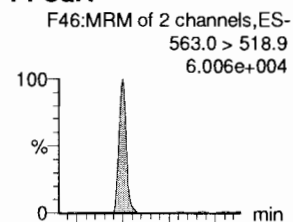
PFDS



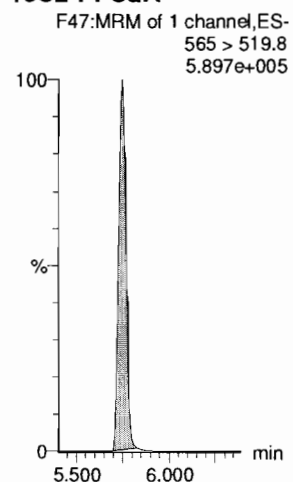
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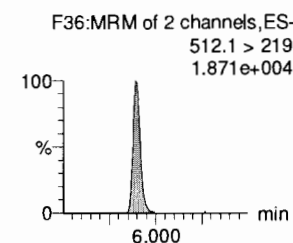
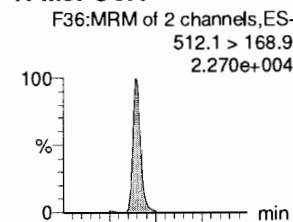
PFUdA



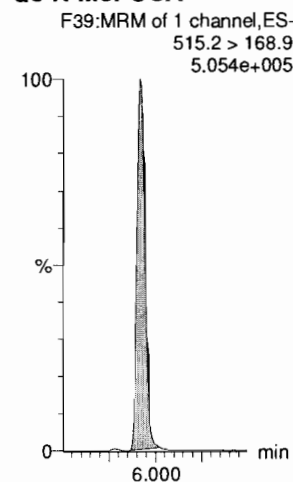
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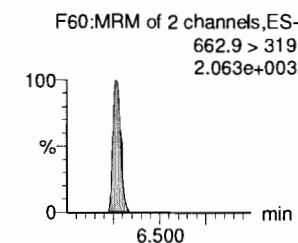
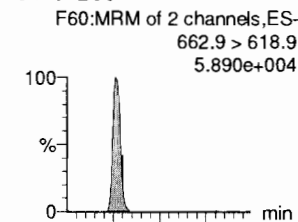
N-MeFOSA



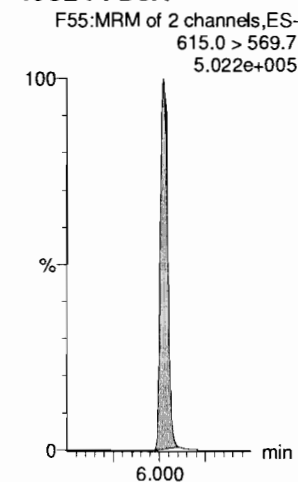
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PFTrDA



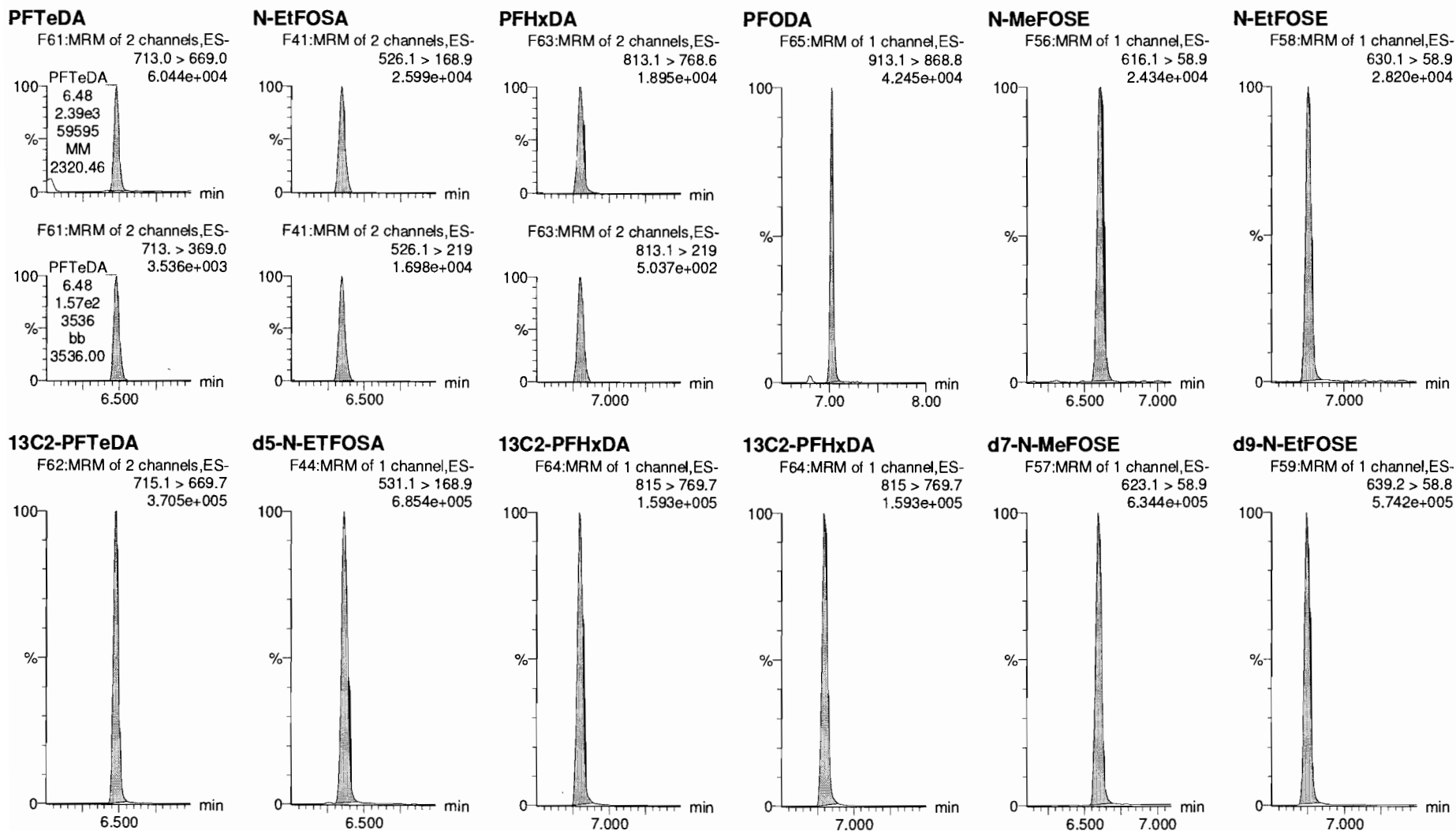
13C2-PFDaA



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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

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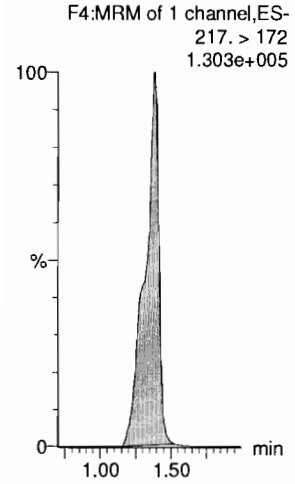
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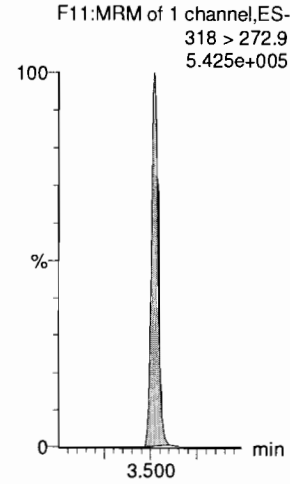
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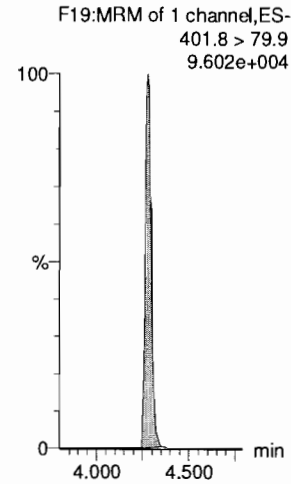
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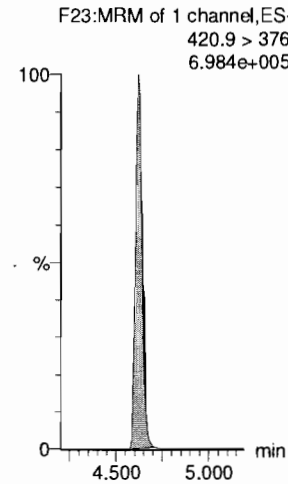
13C5-PFHxA



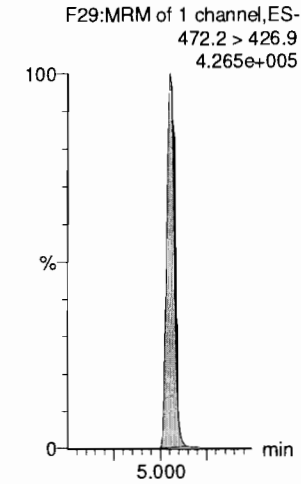
13C3-PFHxS



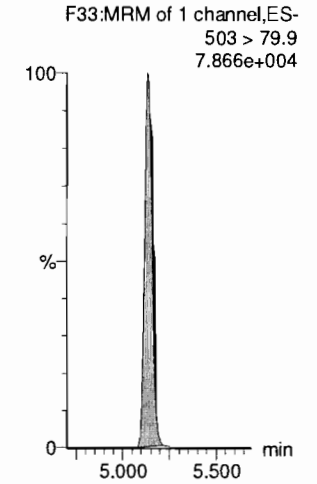
13C8-PFOA



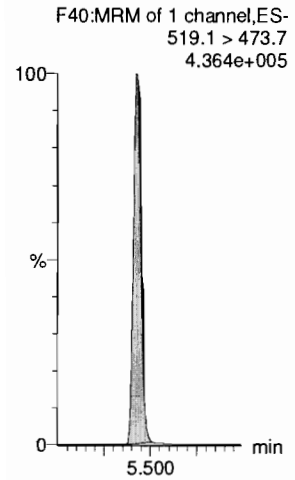
13C9-PFNA



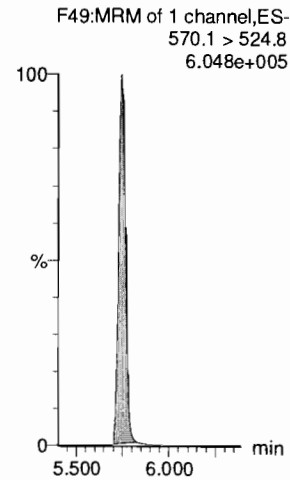
13C4-PFOS



13C6-PFDA



13C7-PFUDa

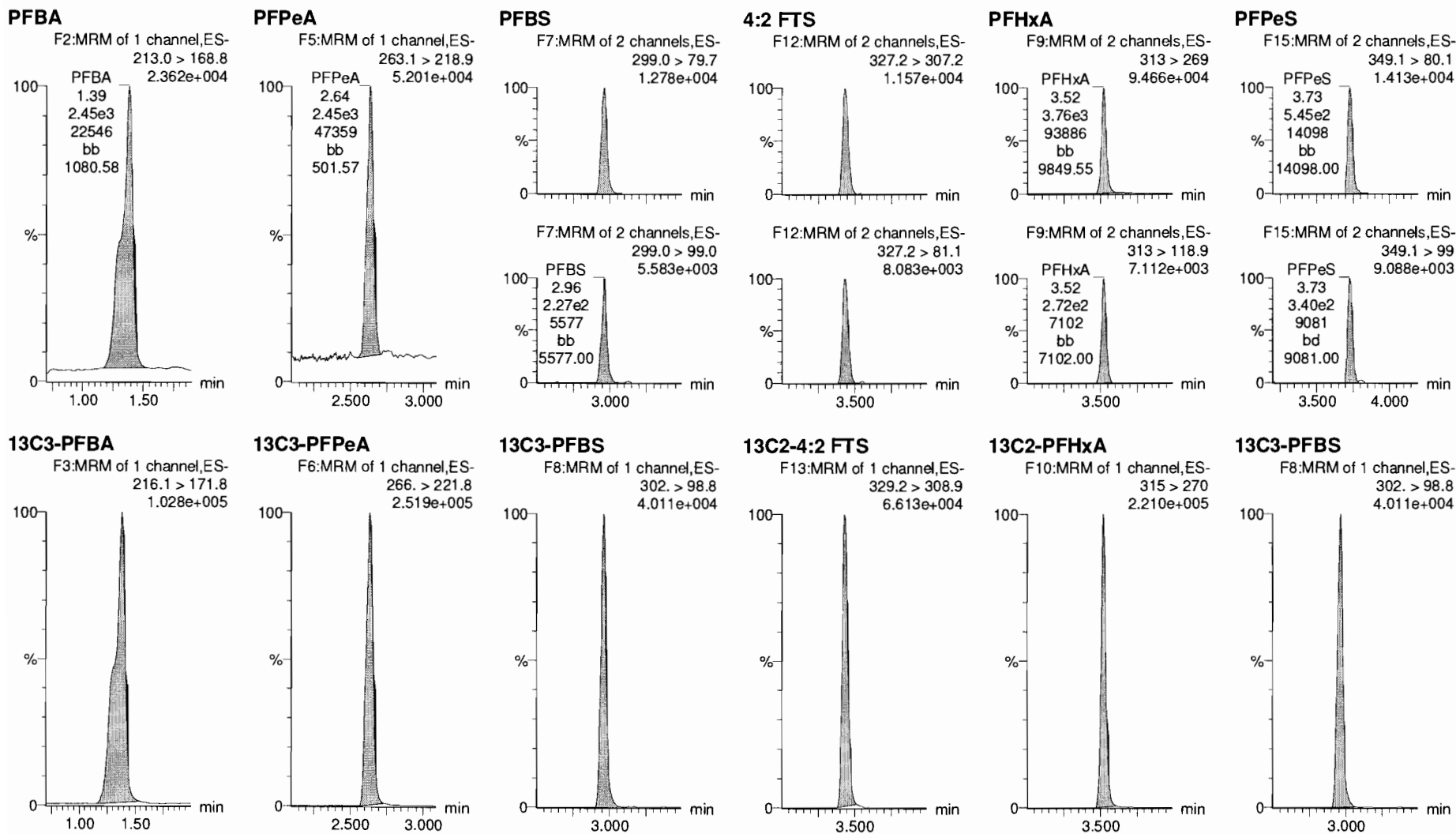


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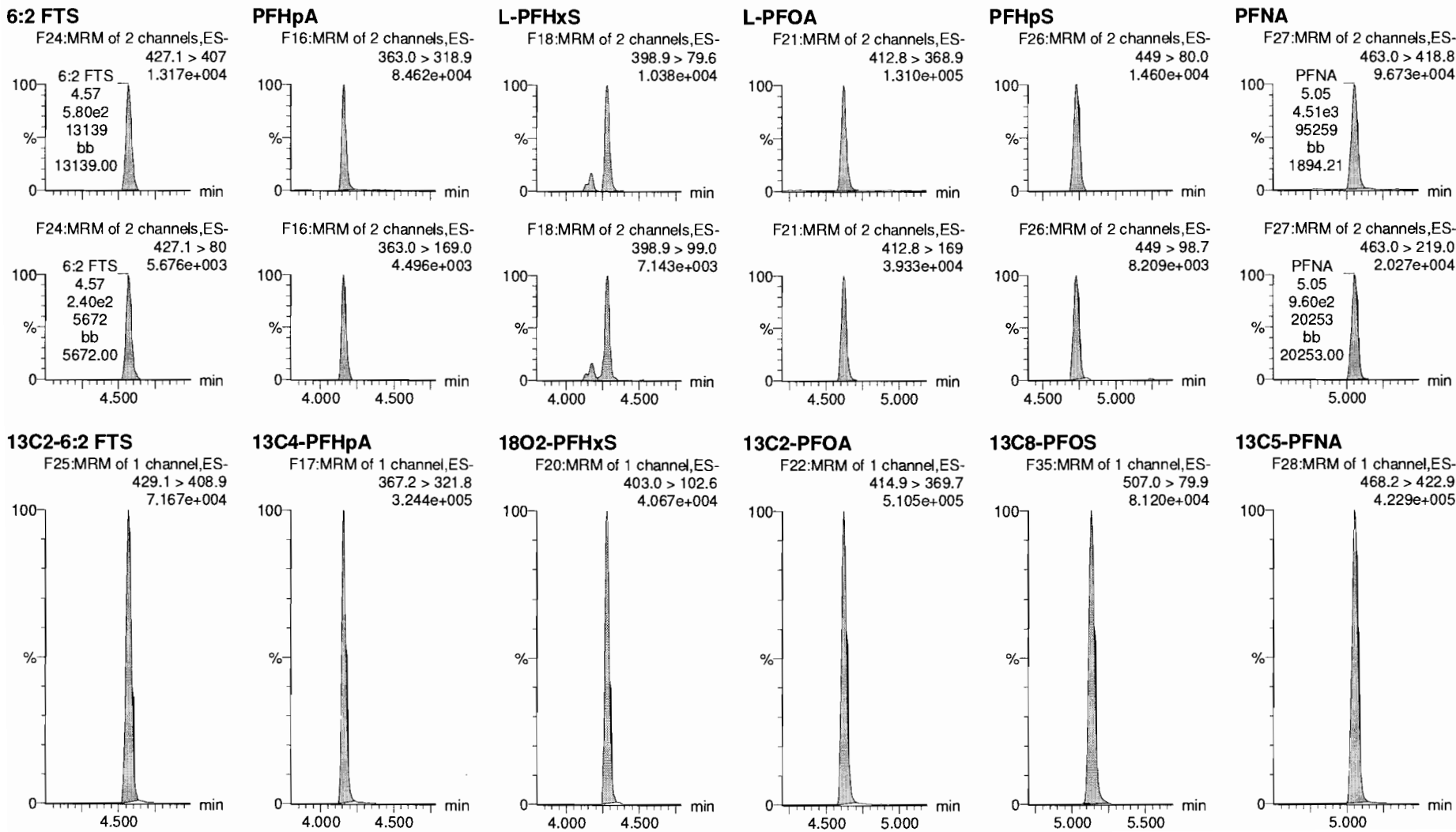


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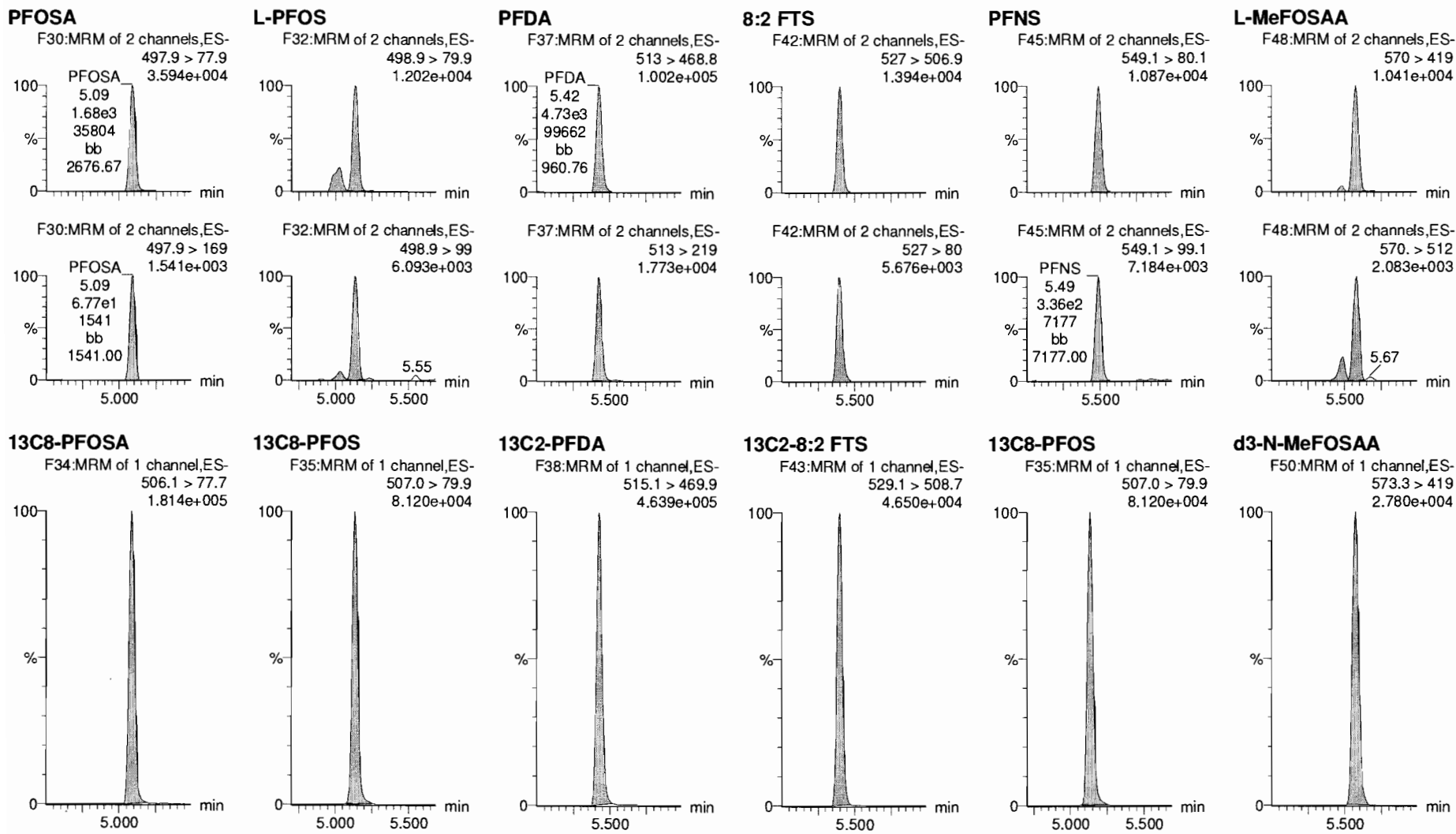


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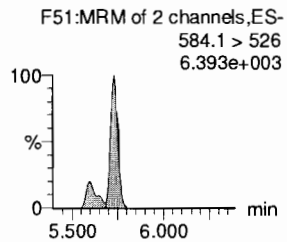
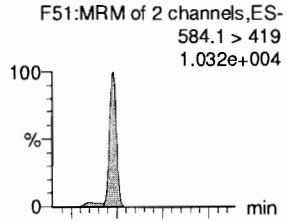


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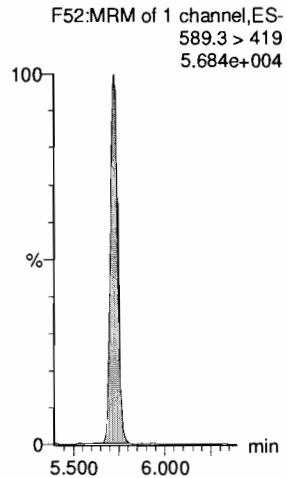
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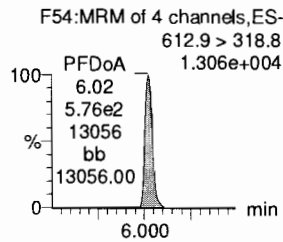
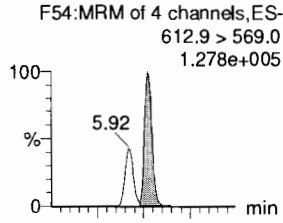
L-EtFOSAA



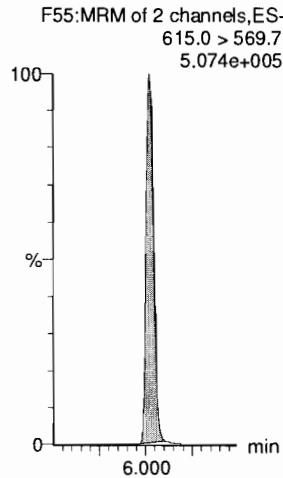
d5-N-EtFOSAA



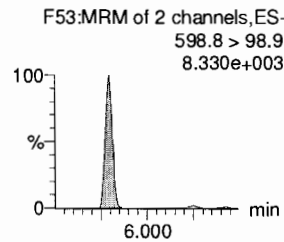
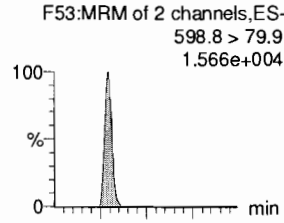
PFDoA



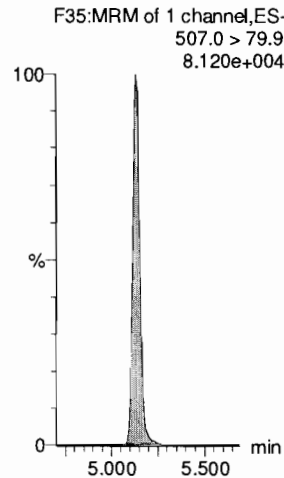
13C2-PFDoA



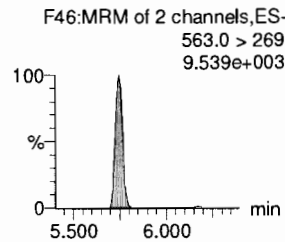
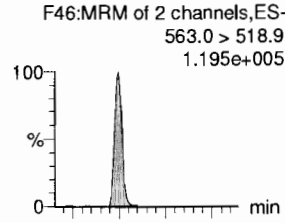
PFDS



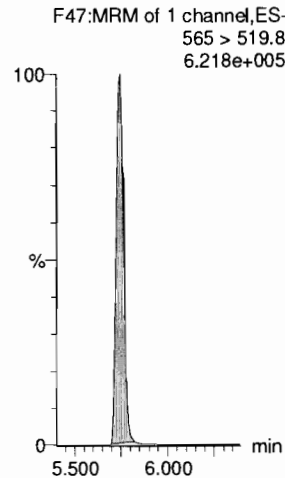
13C8-PFOS



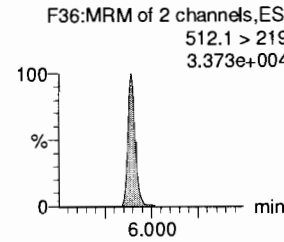
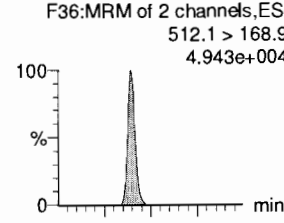
PFUdA



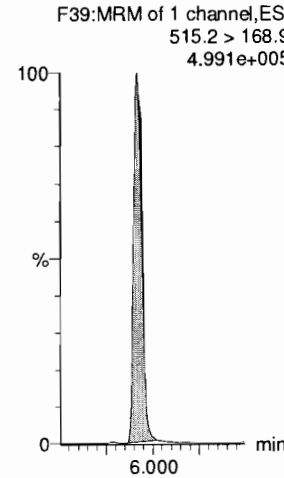
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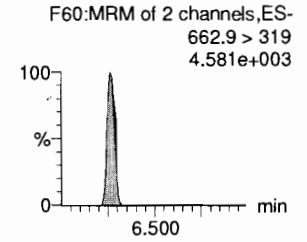
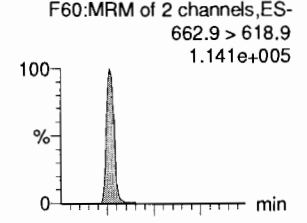
N-MeFOSA



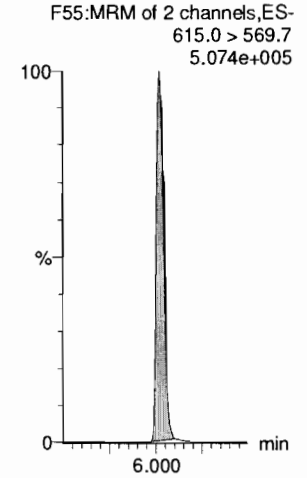
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PFTrDA



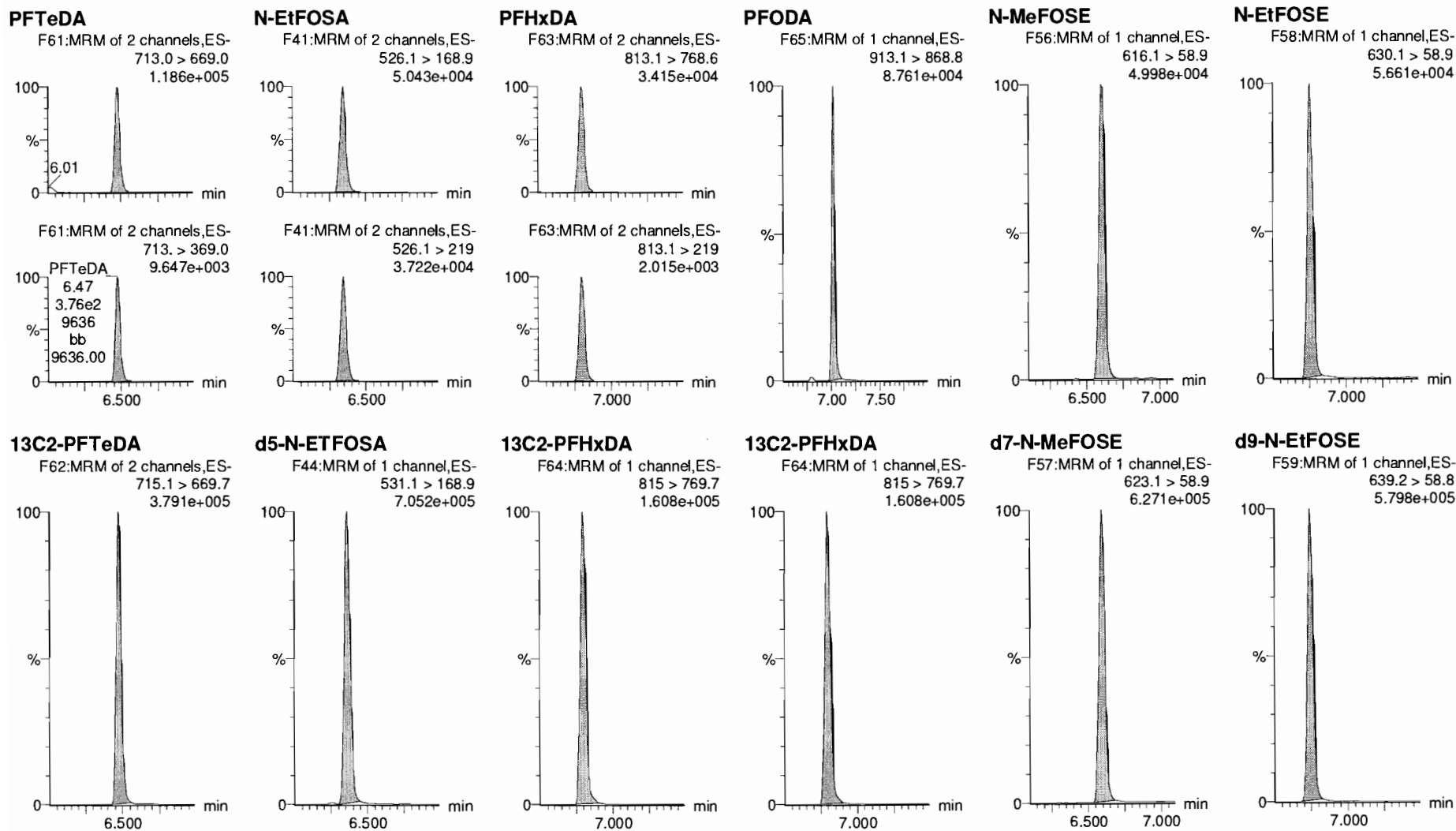
13C2-PFDoA



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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

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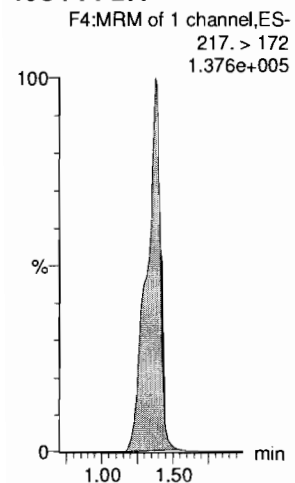
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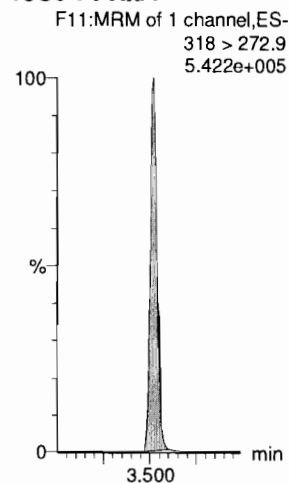
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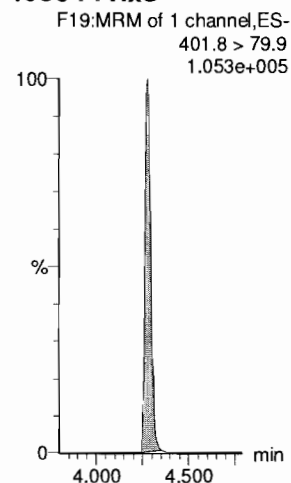
13C4-PFBA



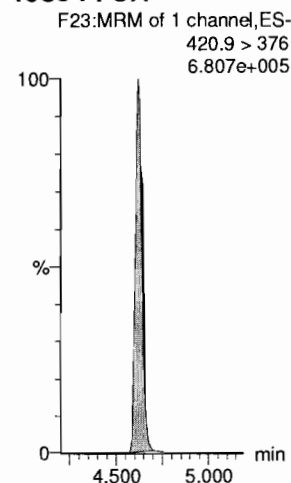
13C5-PFHxA



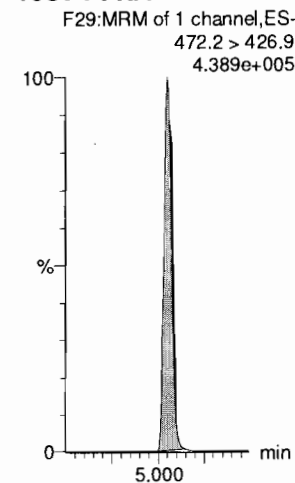
13C3-PFHxS



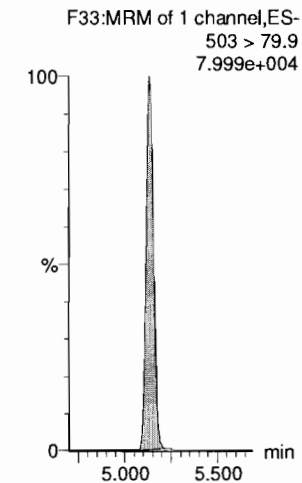
13C8-PFOA



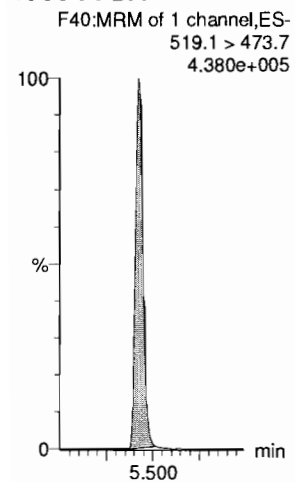
13C9-PFNA



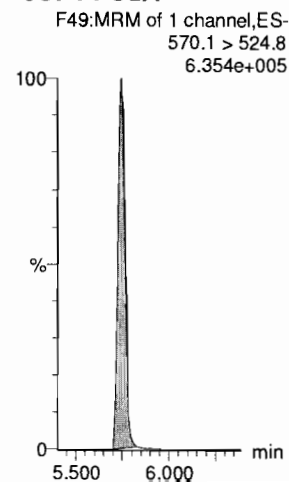
13C4-PFOS



13C6-PFDA



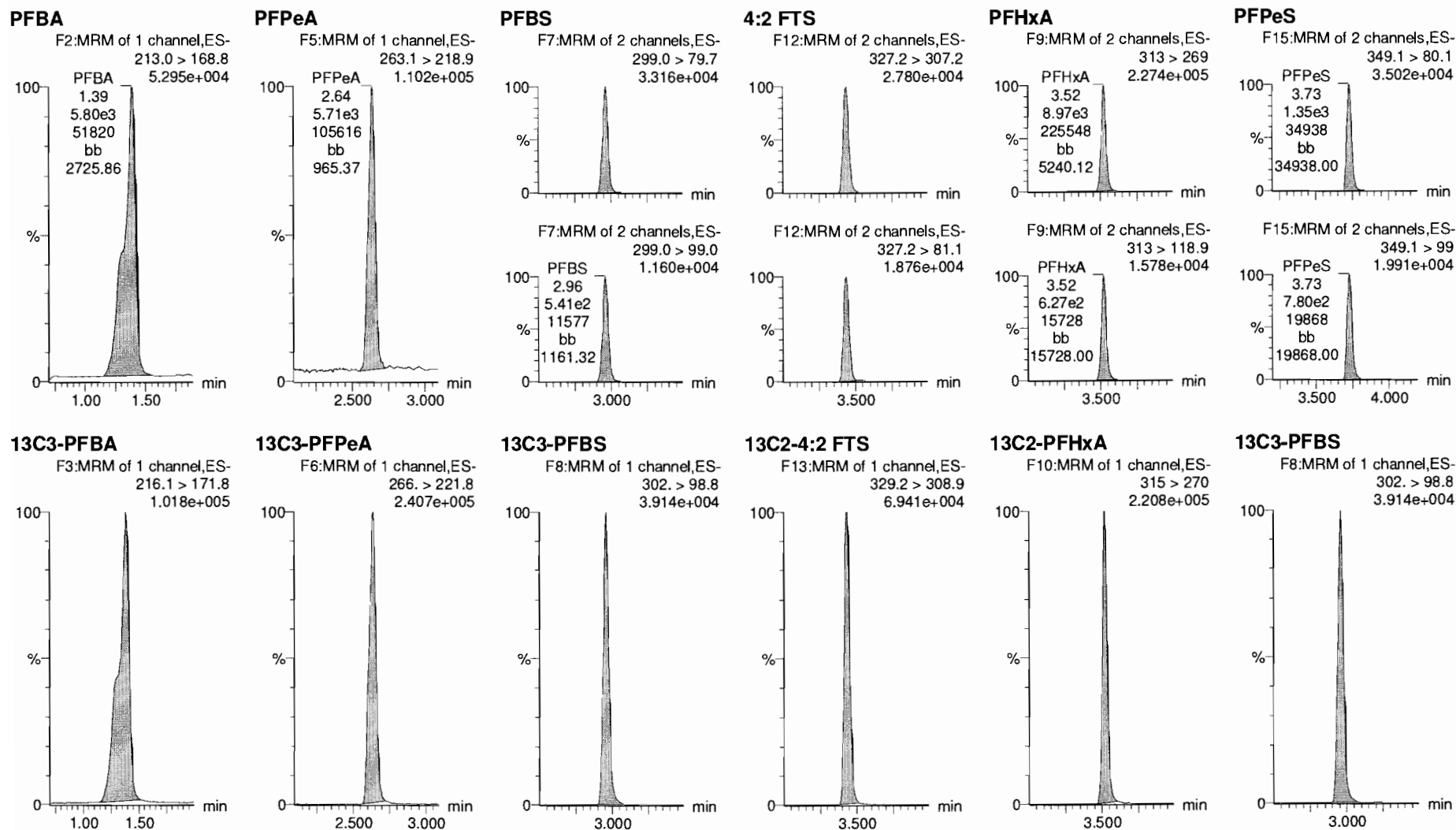
13C7-PFUDa



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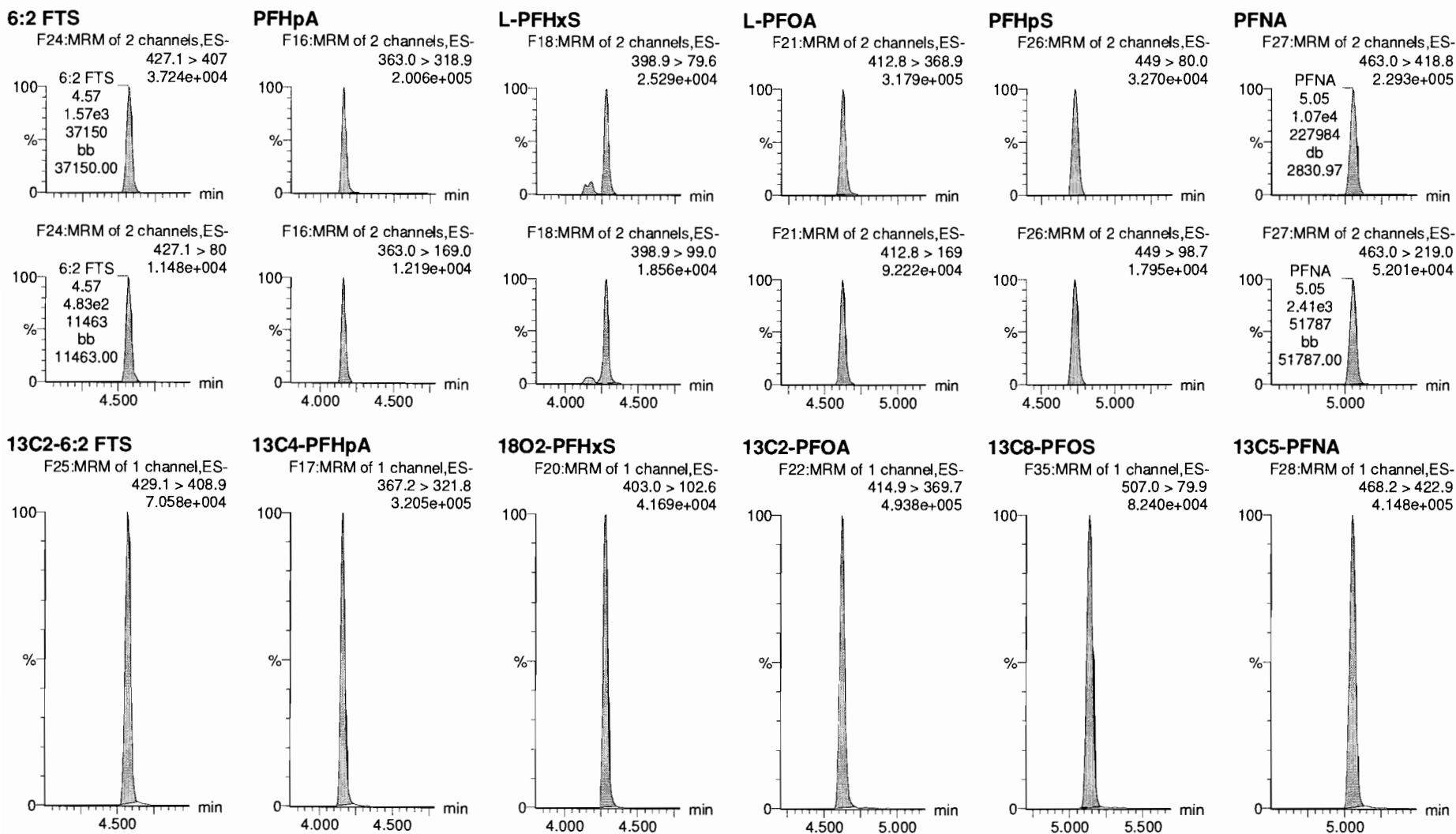


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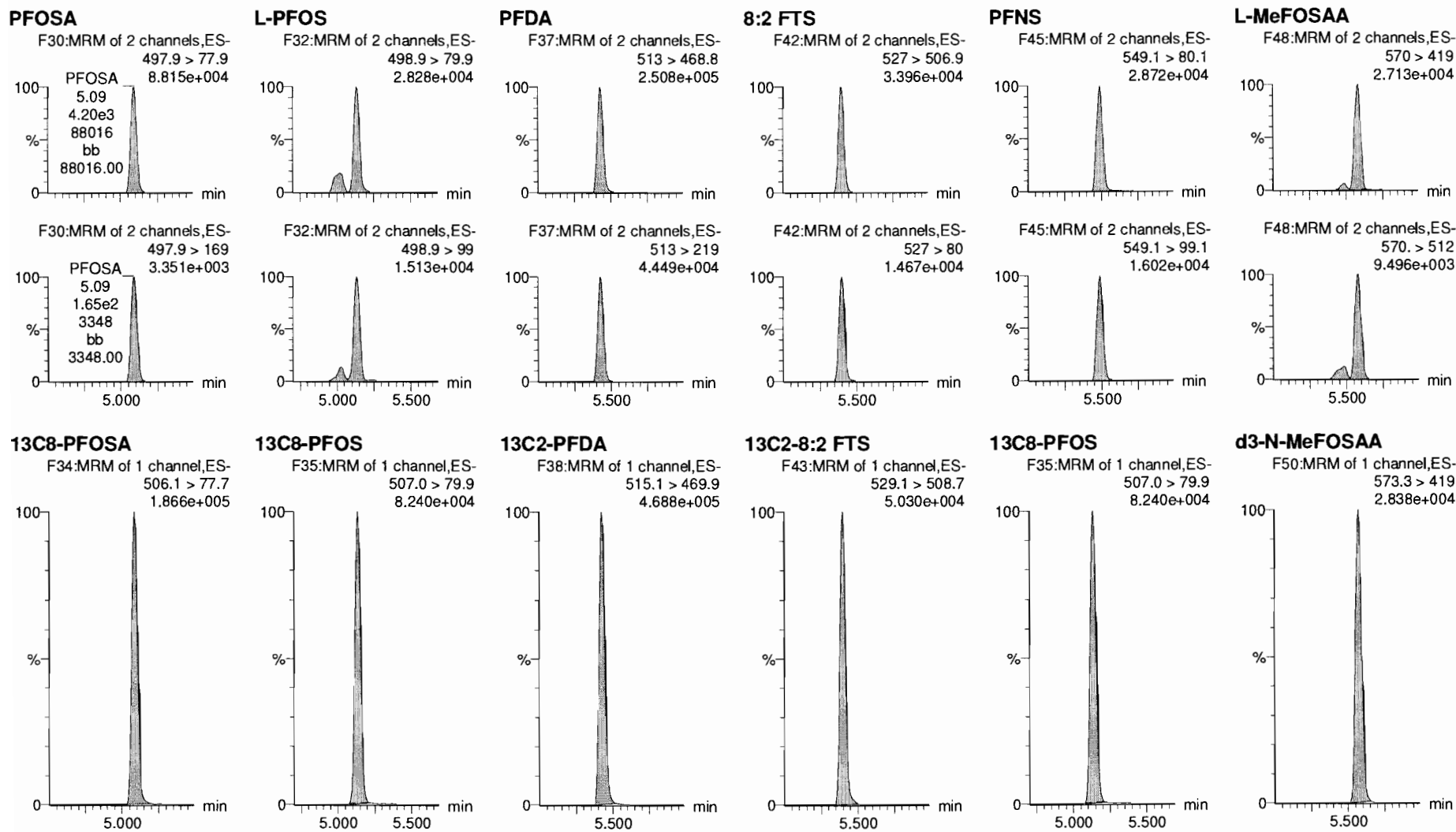


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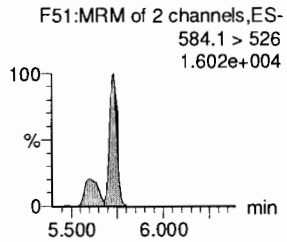
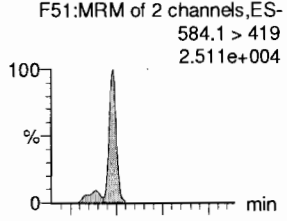


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

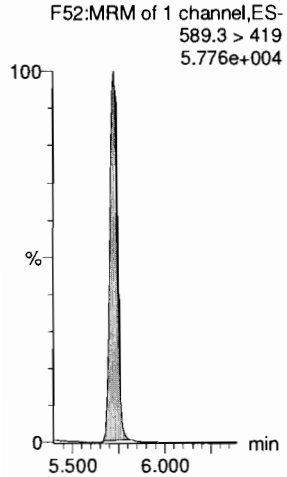
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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_6, Date: 24-Oct-2018, Time: 12:01:23, ID: ST181024M2-5 PFC CS2 18J1706, Description: PFC CS2 18J1706

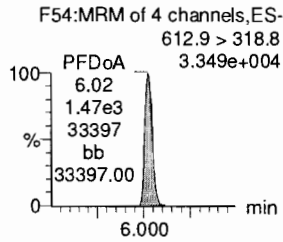
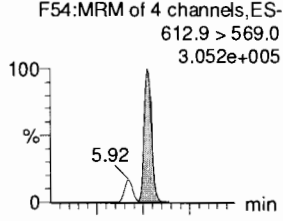
L-EtFOSAA



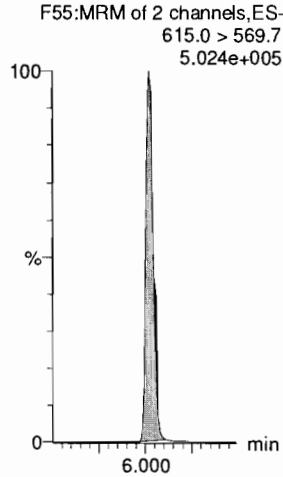
d5-N-EtFOSAA



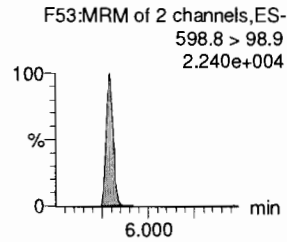
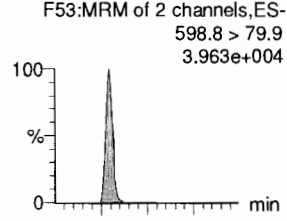
PFDoA



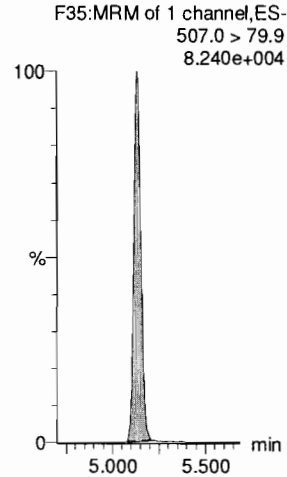
13C2-PFDoA



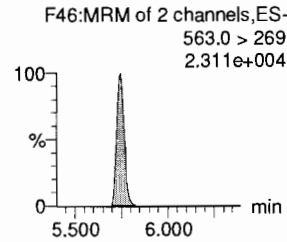
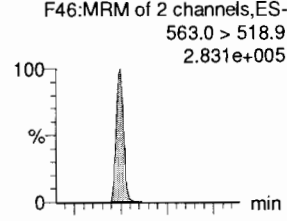
PFDS



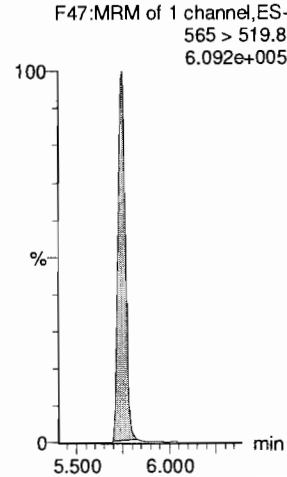
13C8-PFOS



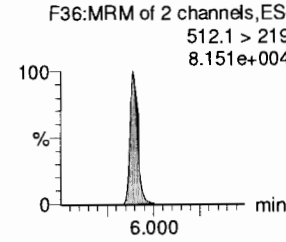
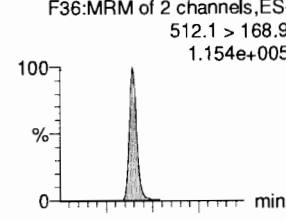
PFUdA



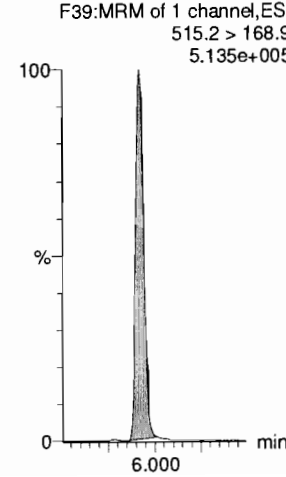
13C2-PFUdA



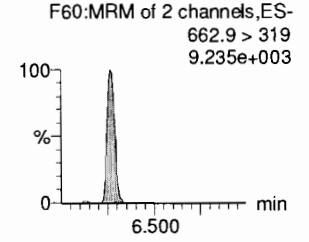
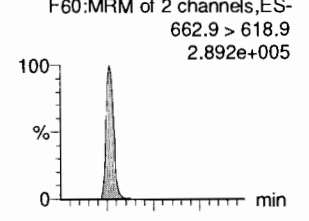
N-MeFOSA



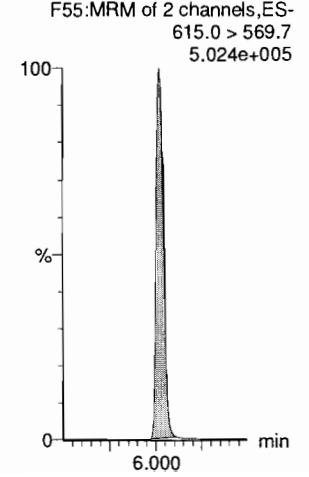
d3-N-MeFOSA



PFTrDA



13C2-PFDoA

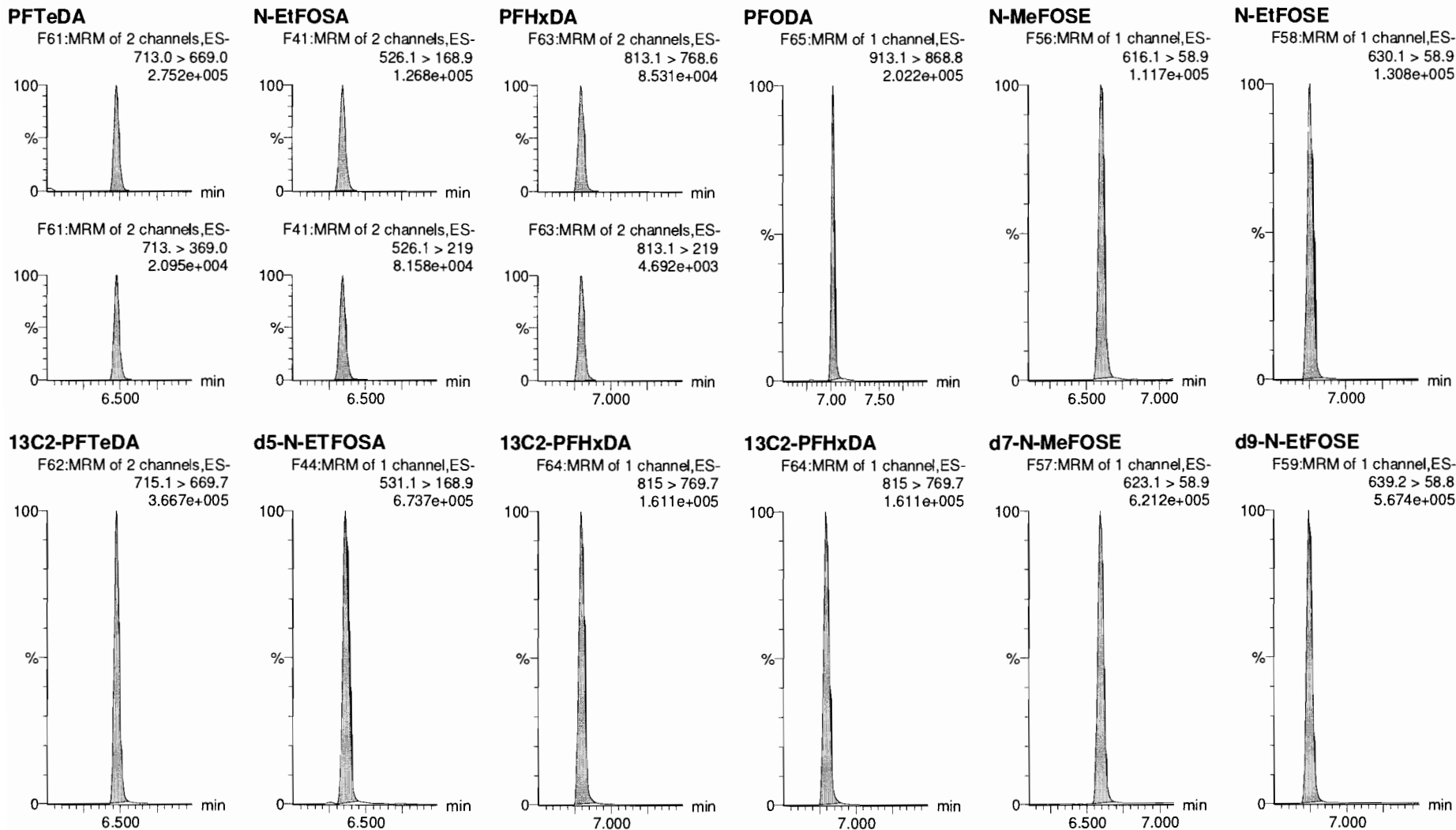


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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_6, Date: 24-Oct-2018, Time: 12:01:23, ID: ST181024M2-5 PFC CS2 18J1706, Description: PFC CS2 18J1706



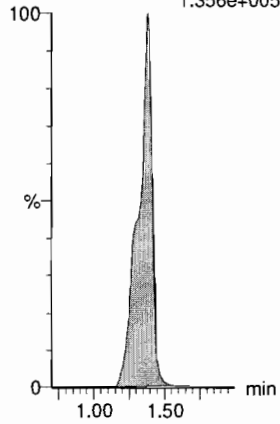
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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

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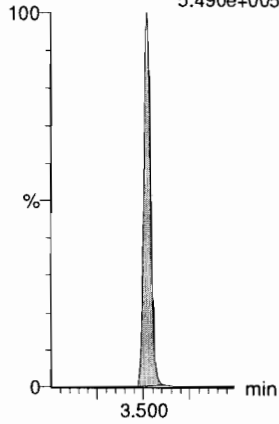
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.356e+005



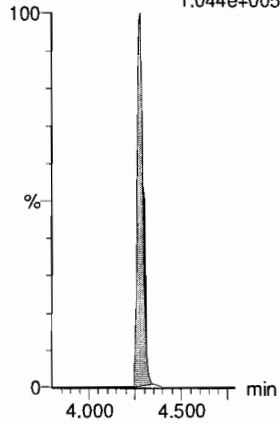
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.490e+005



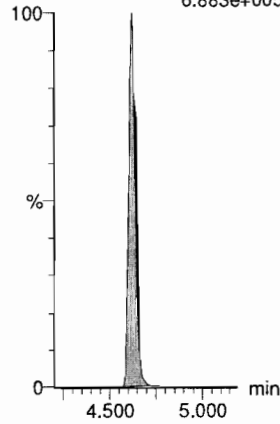
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.044e+005



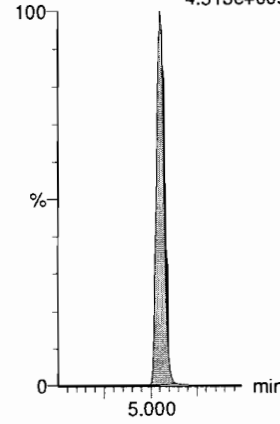
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.883e+005



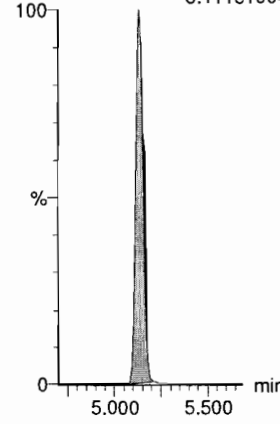
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.513e+005



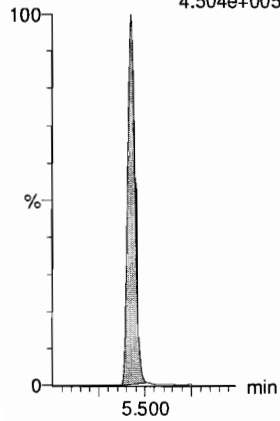
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.111e+004



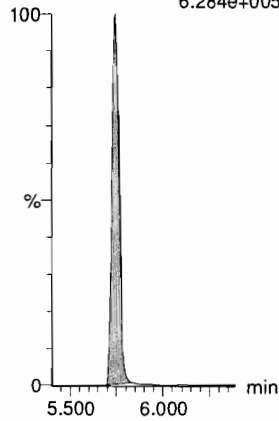
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.504e+005



13C7-PFUDa

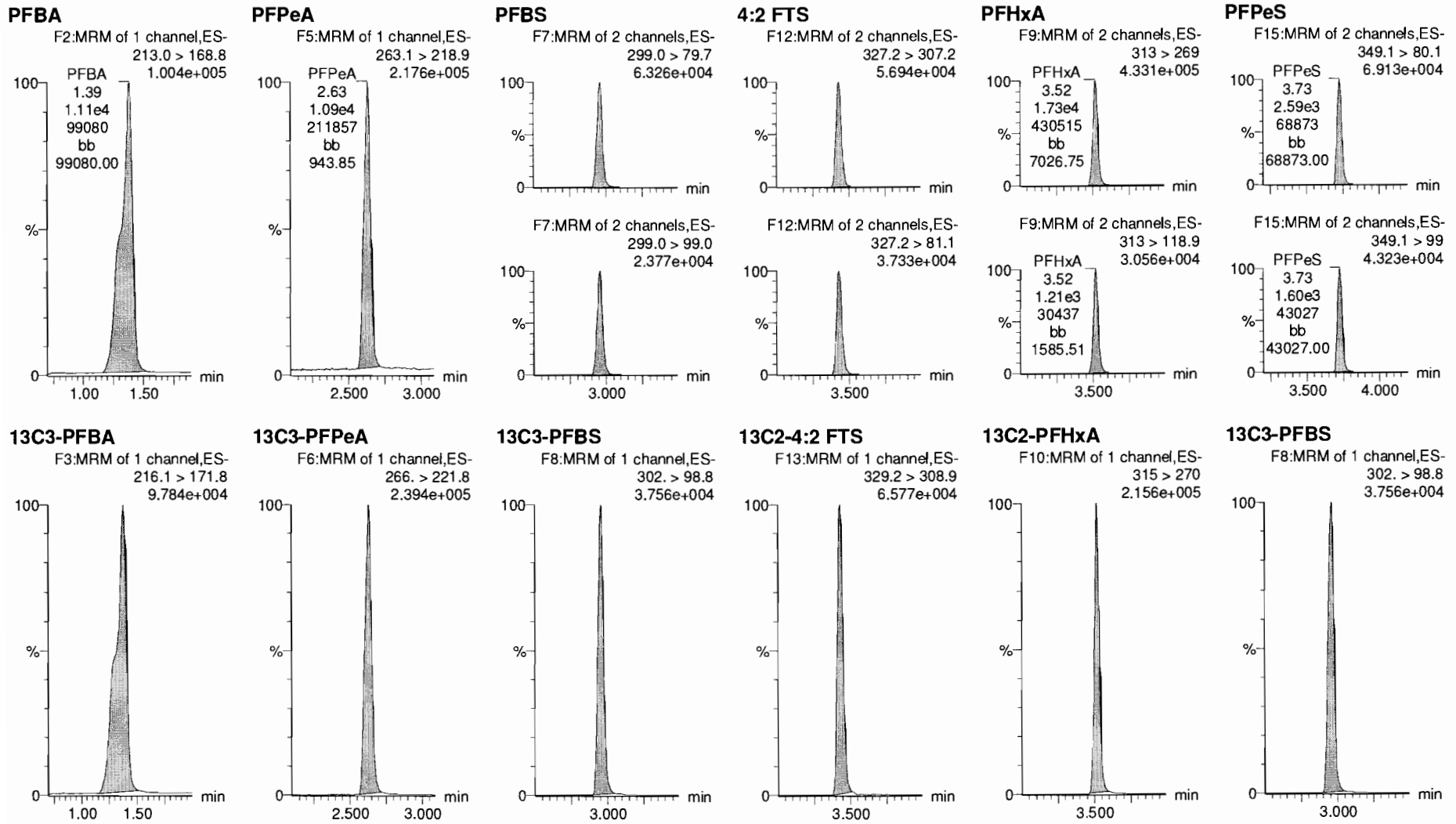
F49:MRM of 1 channel,ES-
570.1 > 524.8
6.284e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

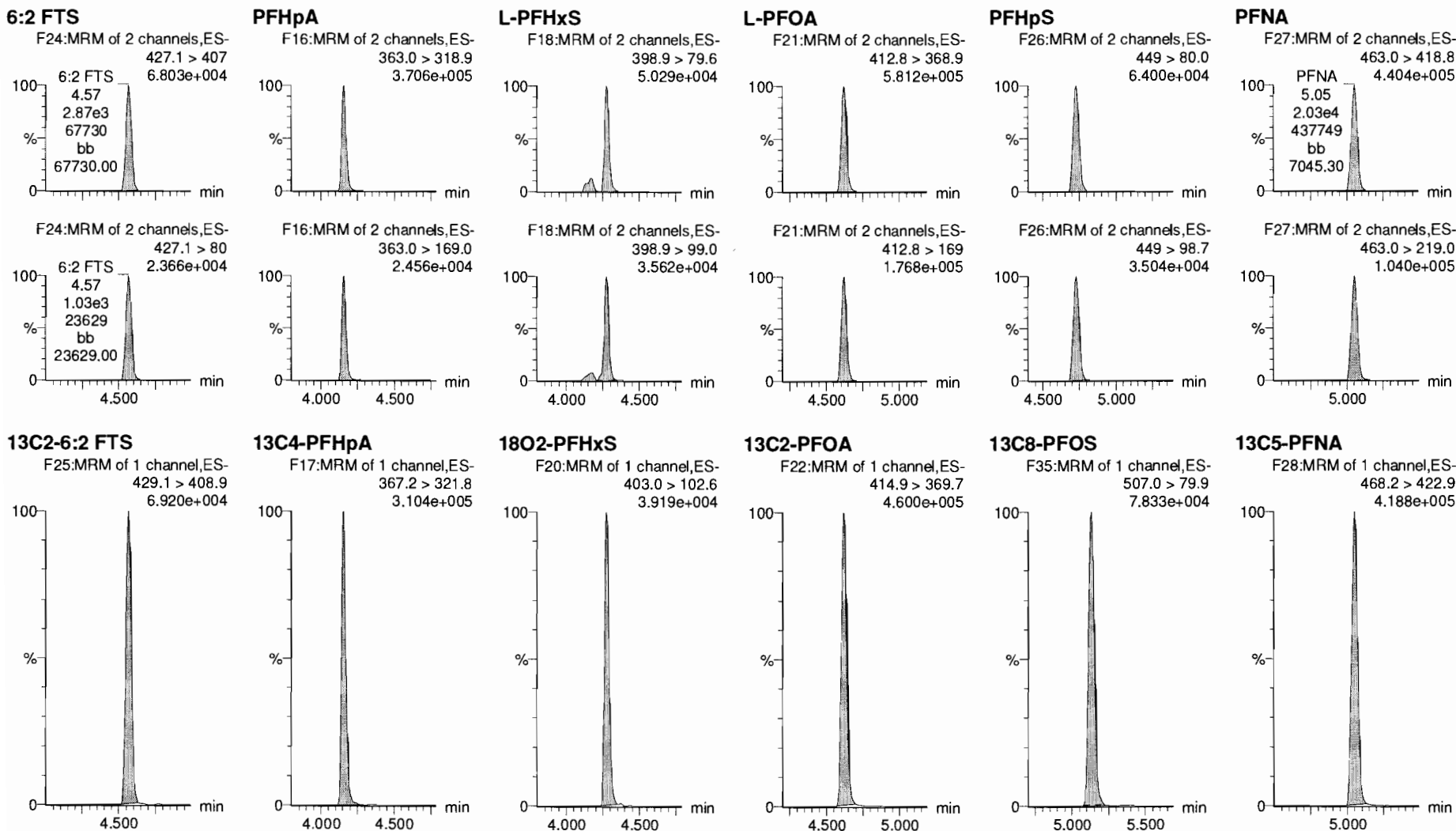
Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

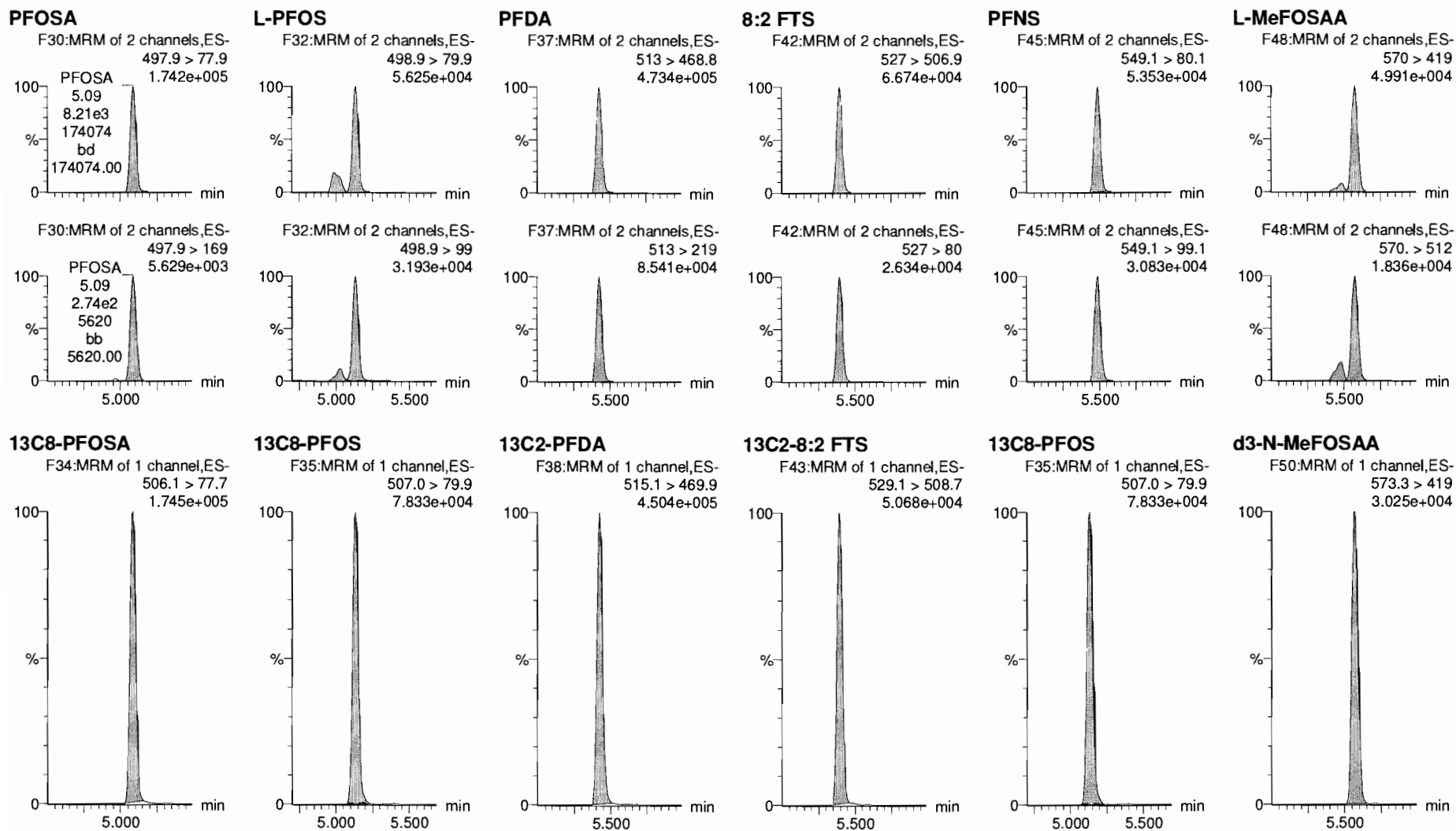
Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

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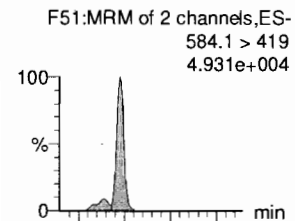
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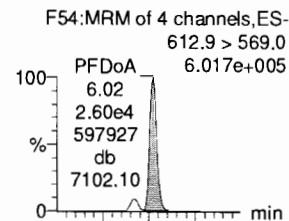
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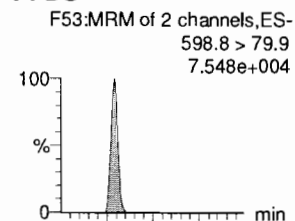
L-EtFOSAA



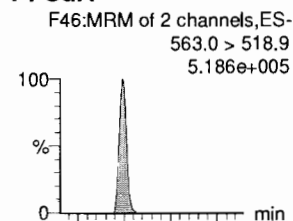
PFDoA



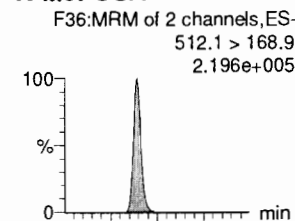
PFDS



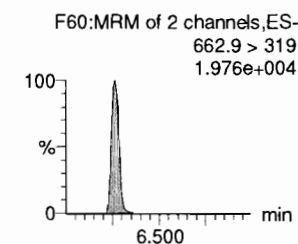
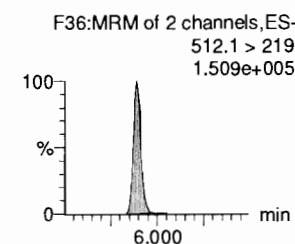
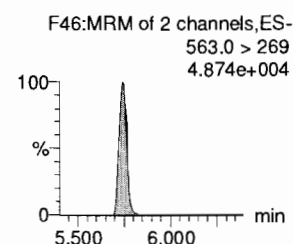
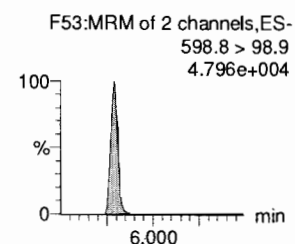
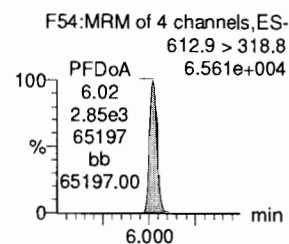
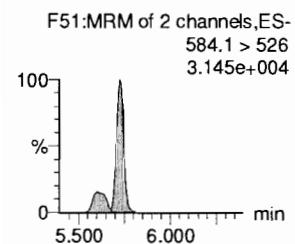
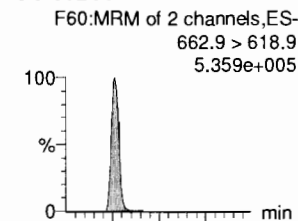
PFUdA



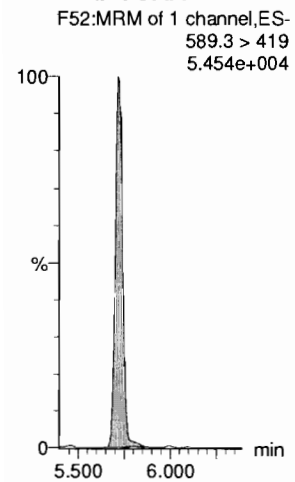
N-MeFOSA



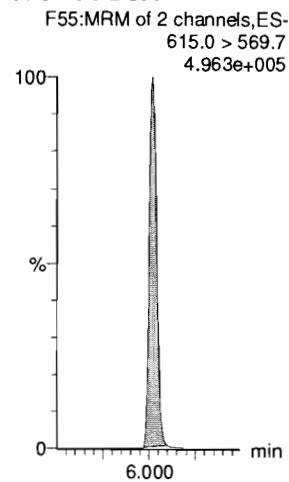
PFTrDA



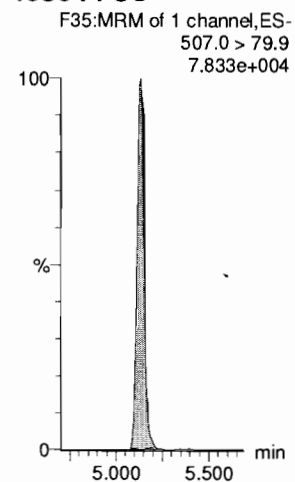
d5-N-EtFOSAA



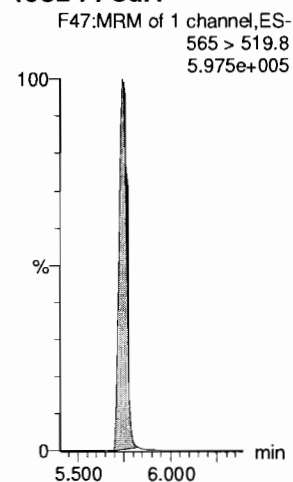
13C2-PFDoA



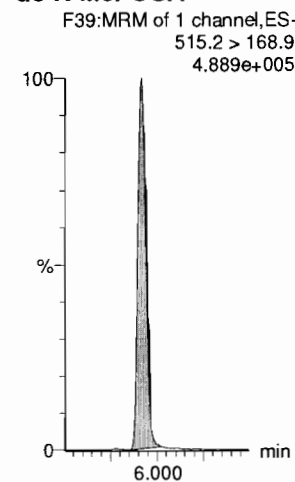
13C8-PFOS



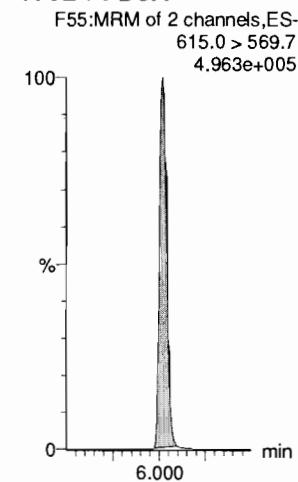
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

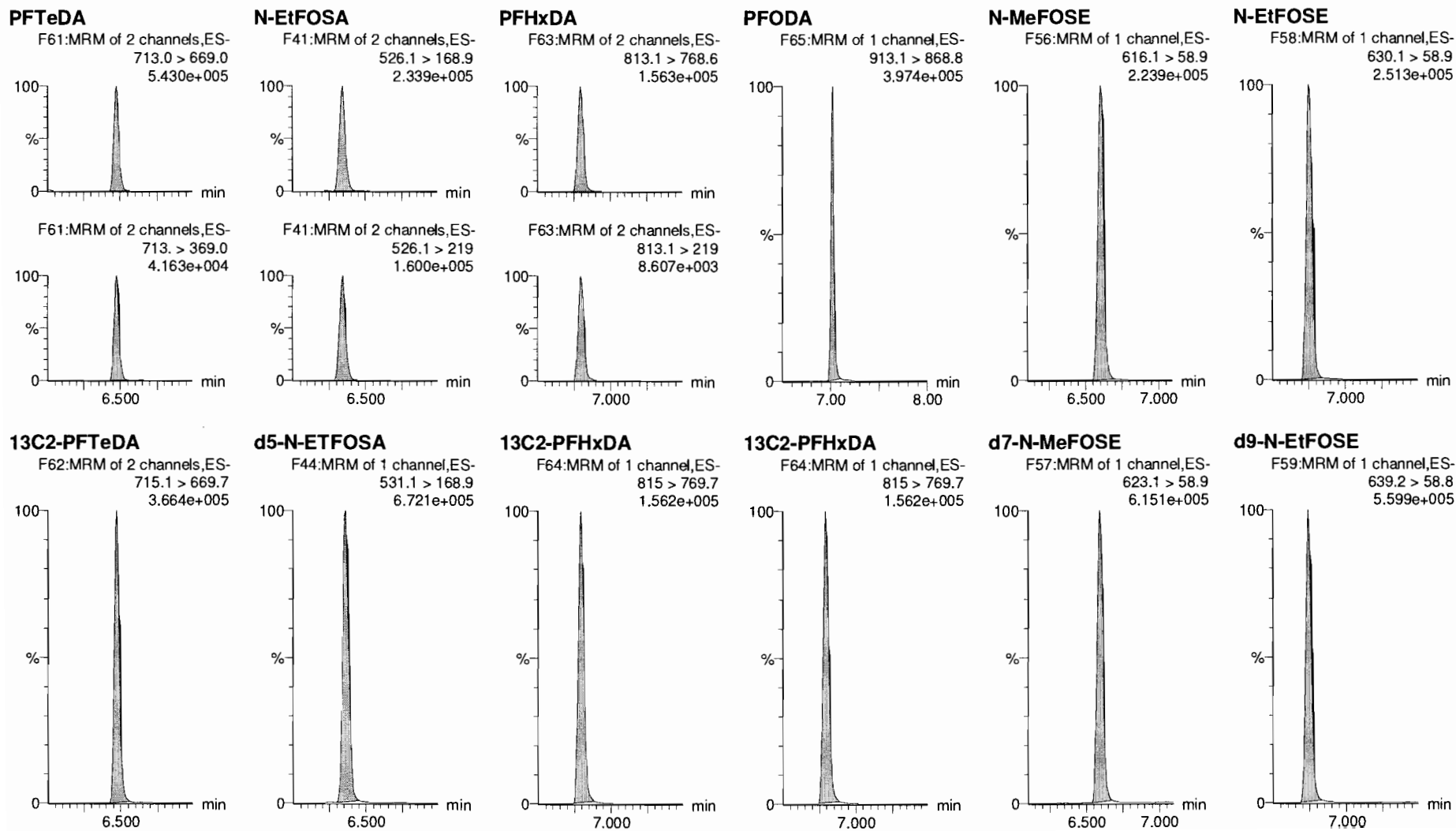


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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_7, Date: 24-Oct-2018, Time: 12:12:01, ID: ST181024M2-6 PFC CS3 18J1707, Description: PFC CS3 18J1707



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

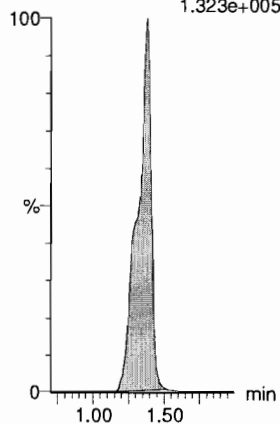
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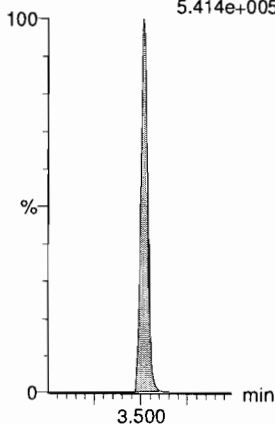
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.323e+005



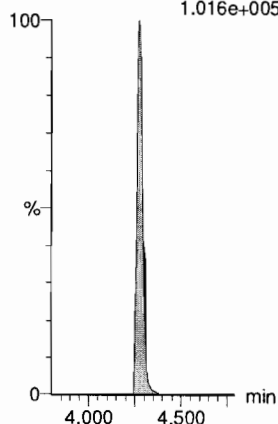
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.414e+005



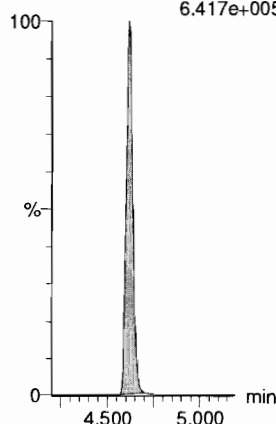
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.016e+005



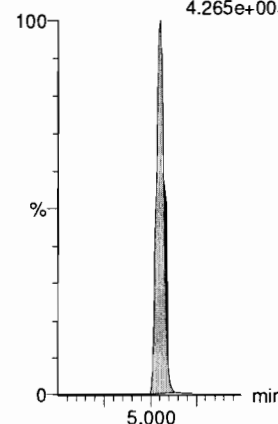
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.417e+005



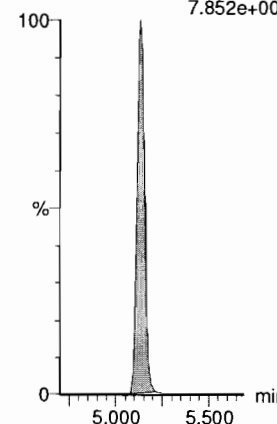
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.265e+005



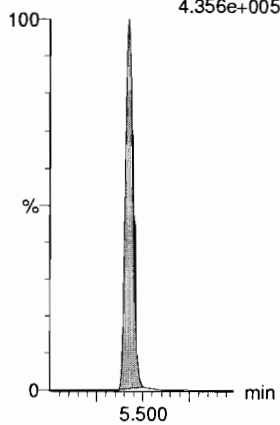
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.852e+004



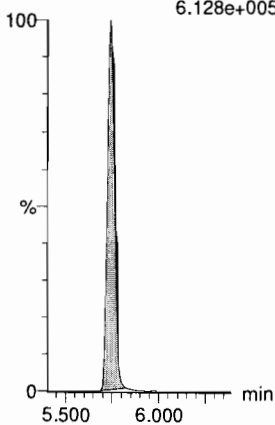
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.356e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.128e+005

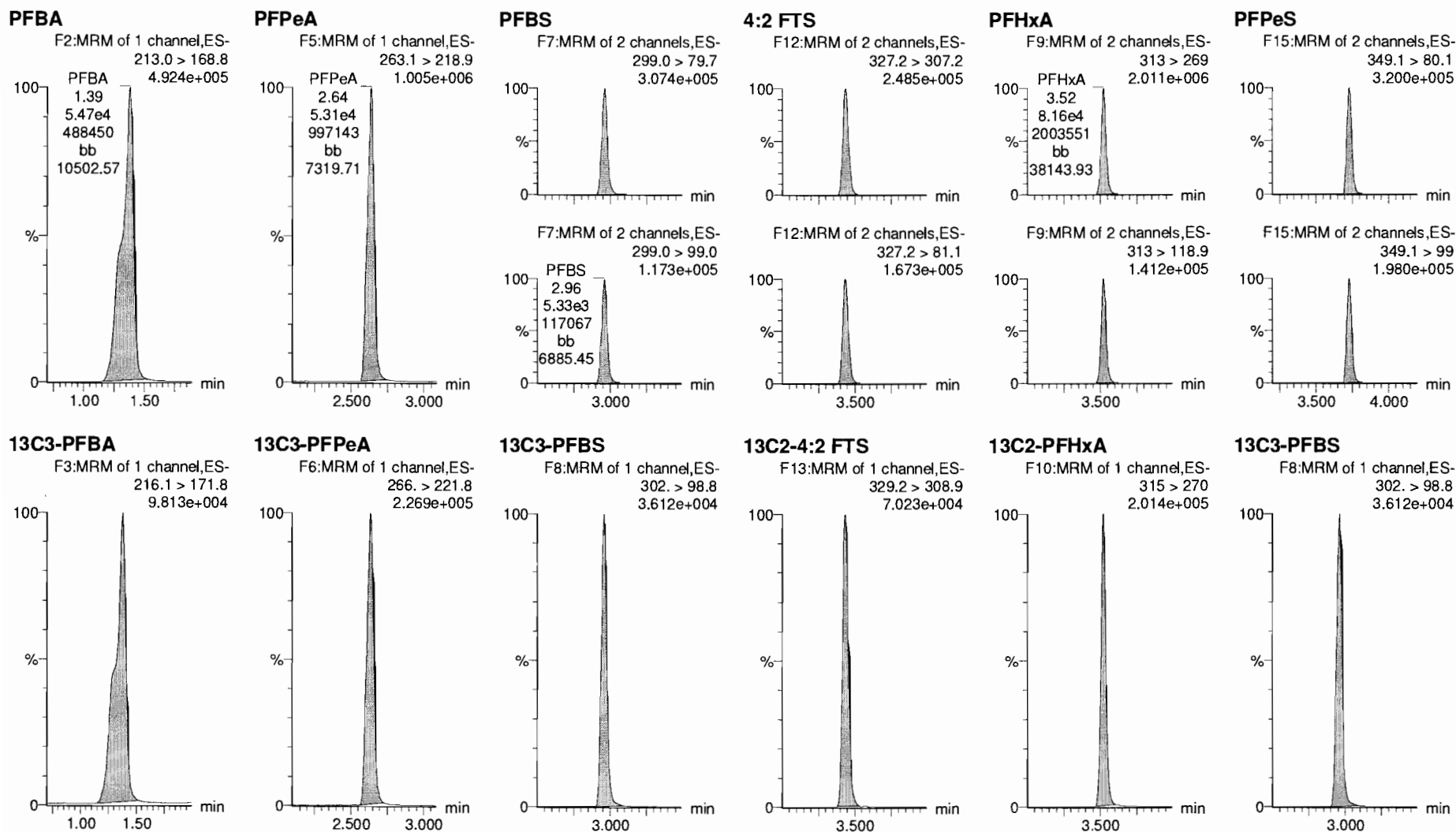


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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

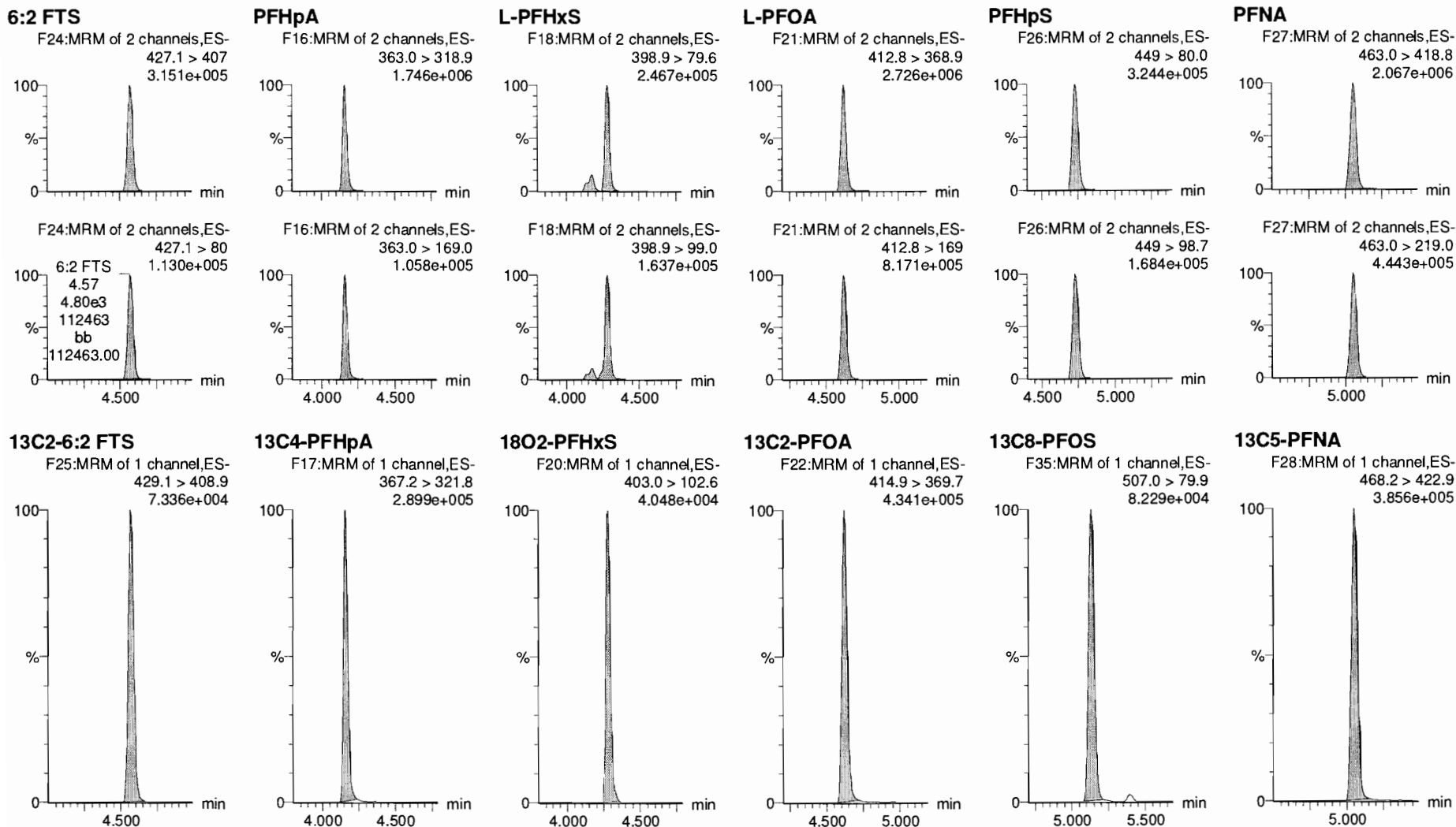
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Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

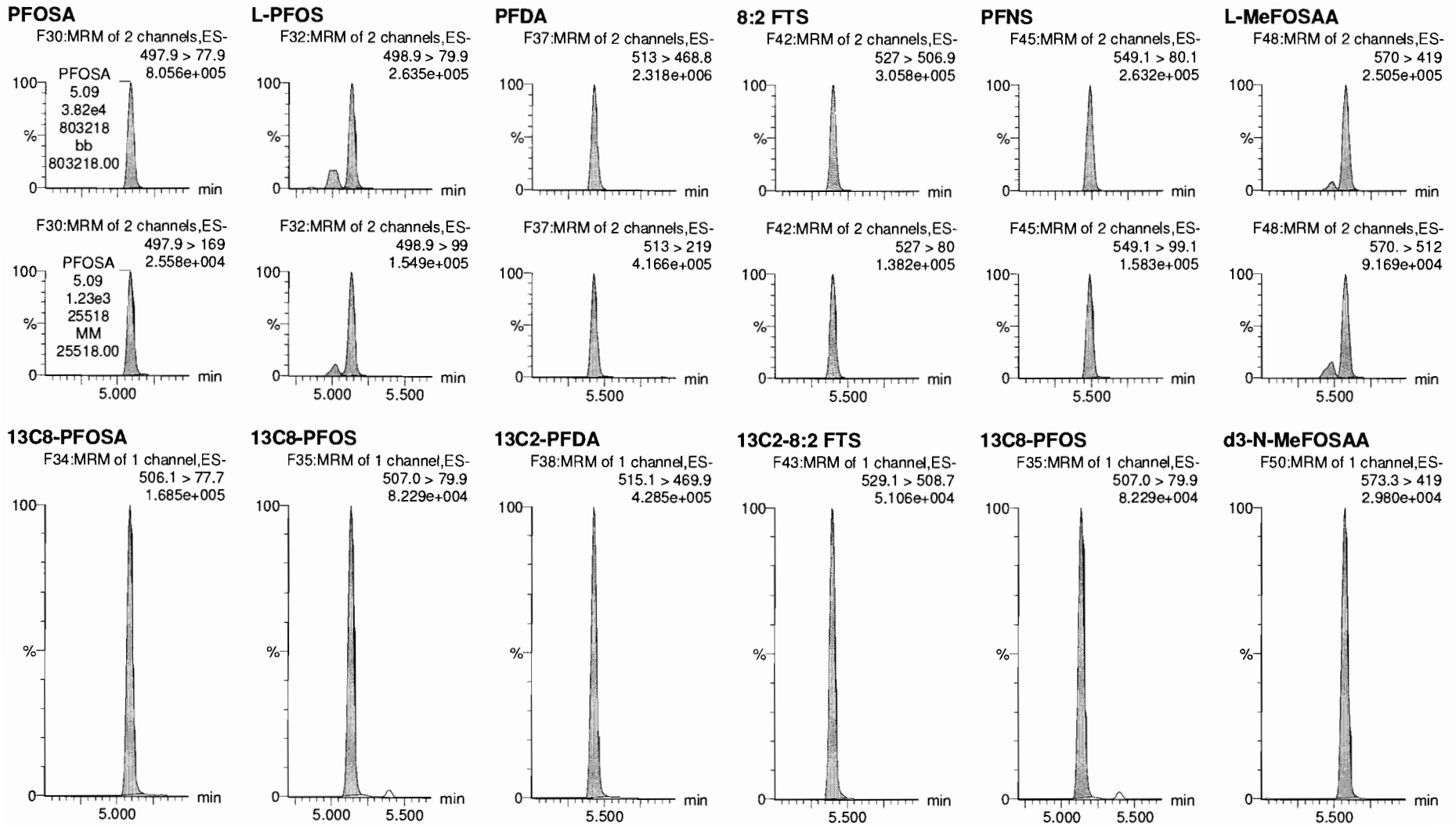
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Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_8, Date: 24-Oct-2018, Time: 12:22:34, ID: ST181024M2-7 PFC CS4 18J1708, Description: PFC CS4 18J1708

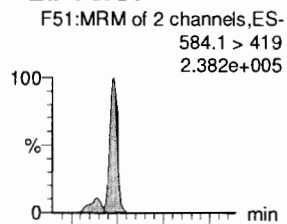


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

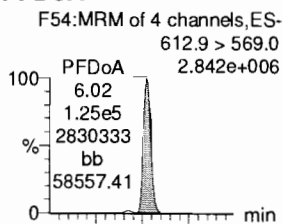
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Name: 181024M2_8, Date: 24-Oct-2018, Time: 12:22:34, ID: ST181024M2-7 PFC CS4 18J1708, Description: PFC CS4 18J1708

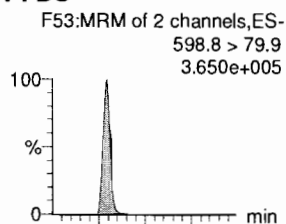
L-EtFOSAA



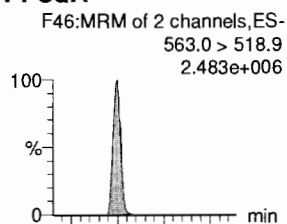
PFDaA



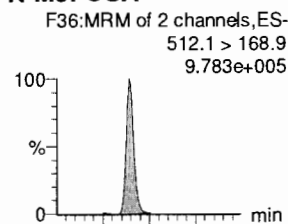
PFDS



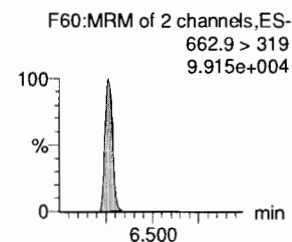
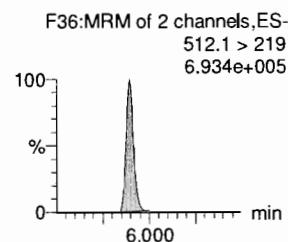
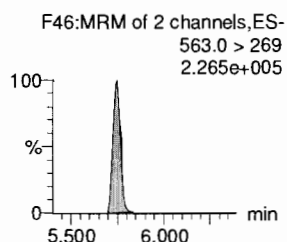
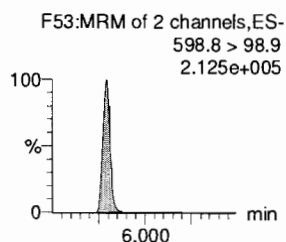
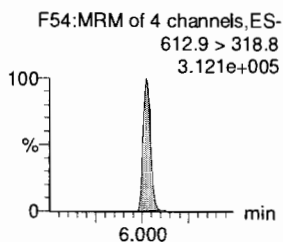
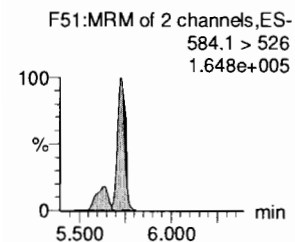
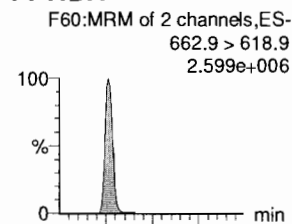
PFUdA



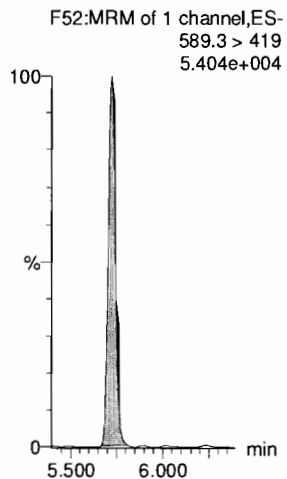
N-MeFOSA



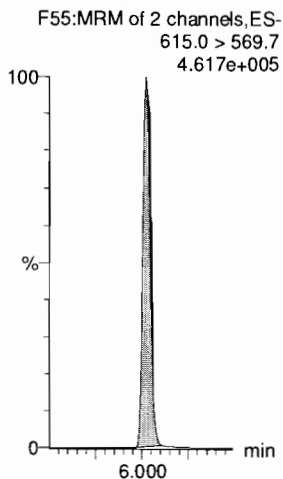
PFTrDA



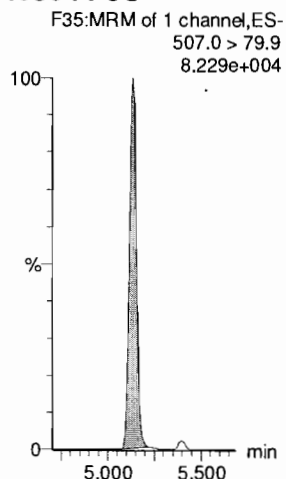
d5-N-EtFOSAA



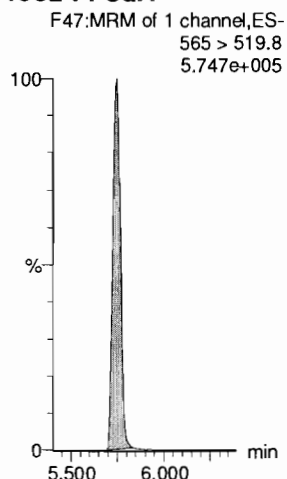
13C2-PFDaA



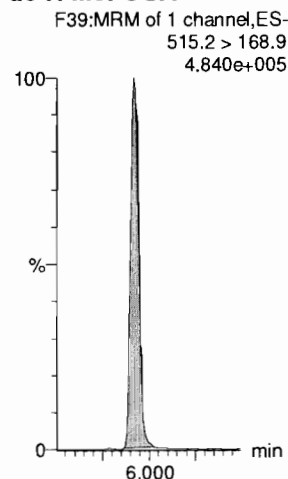
13C8-PFOS



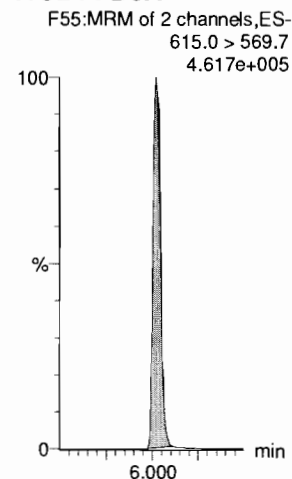
13C2-PFUdA



d3-N-MeFOSA



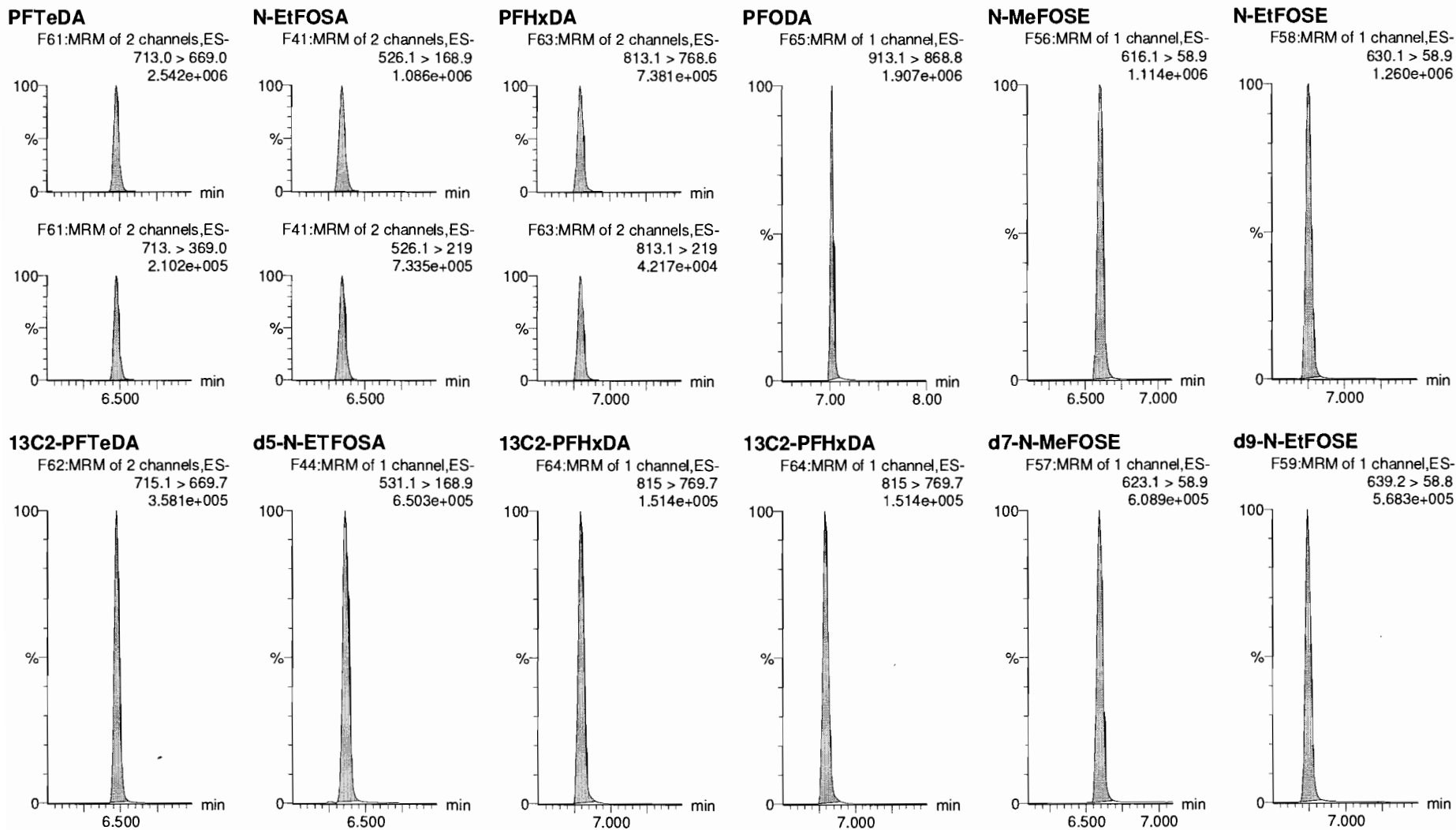
13C2-PFDaA



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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Name: 181024M2_8, Date: 24-Oct-2018, Time: 12:22:34, ID: ST181024M2-7 PFC CS4 18J1708, Description: PFC CS4 18J1708



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

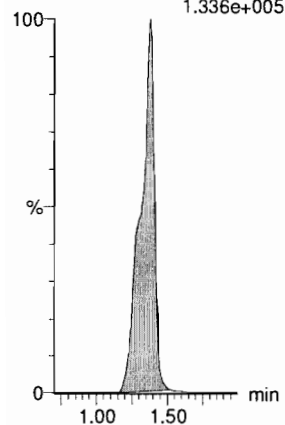
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_8, Date: 24-Oct-2018, Time: 12:22:34, ID: ST181024M2-7 PFC CS4 18J1708, Description: PFC CS4 18J1708

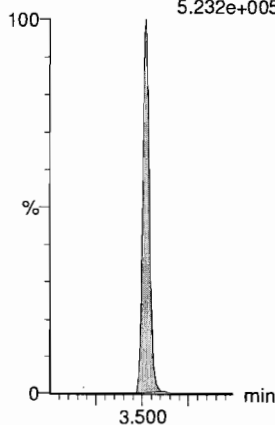
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.336e+005



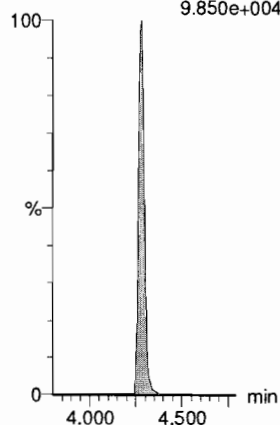
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.232e+005



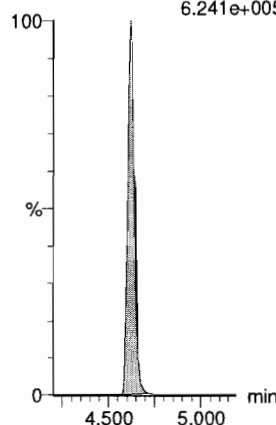
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
9.850e+004



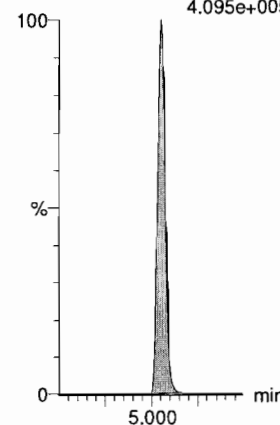
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.241e+005



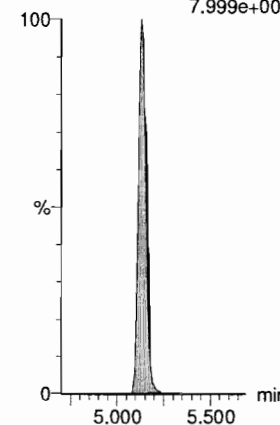
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.095e+005



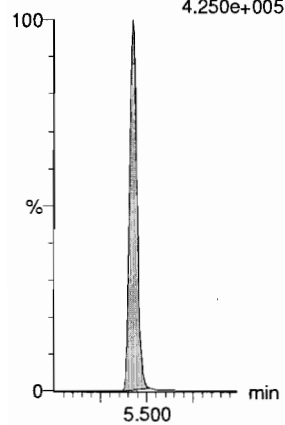
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.999e+004



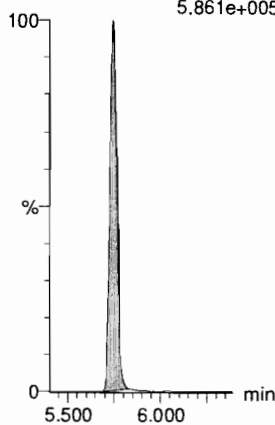
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.250e+005



13C7-PFUdA

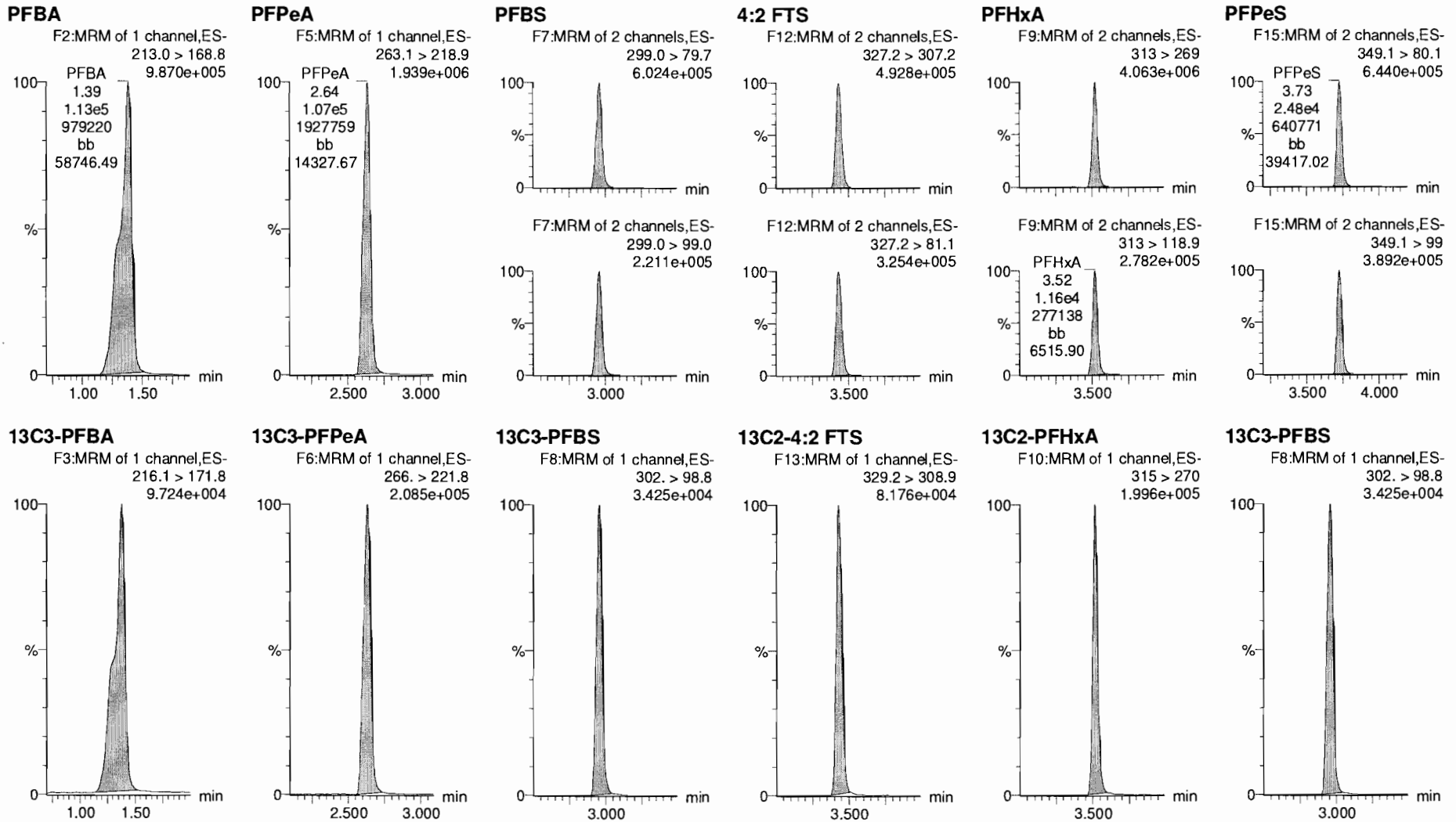
F49:MRM of 1 channel,ES-
570.1 > 524.8
5.861e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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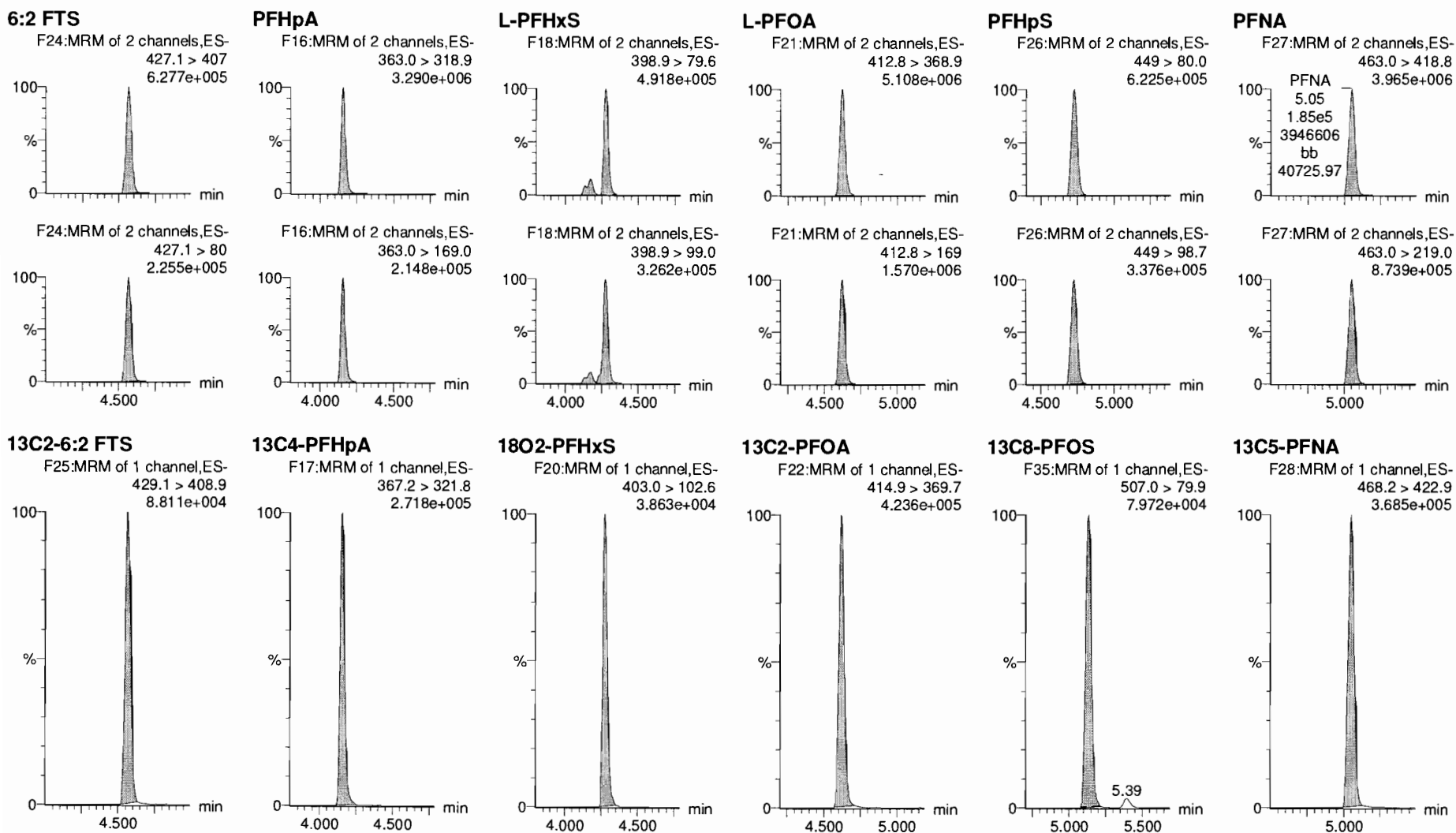
Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709

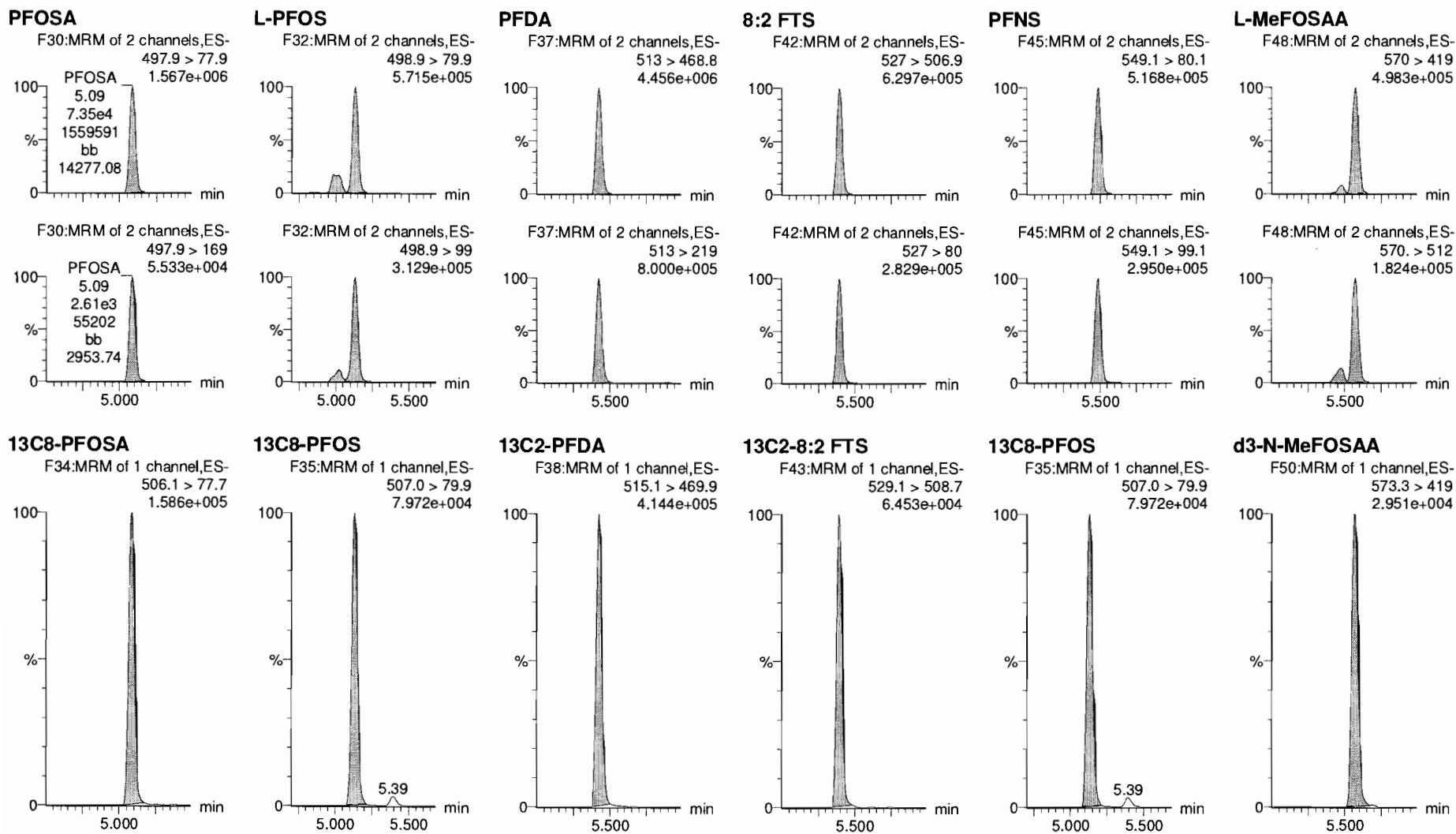


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709



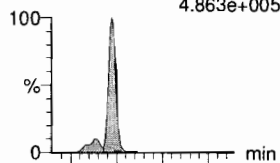
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Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

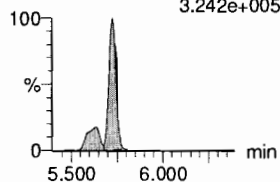
Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709

L-EtFOSAA

F51:MRM of 2 channels,ES-
584.1 > 419
4.863e+005

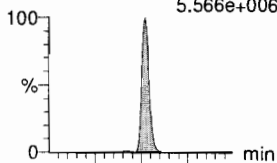


F51:MRM of 2 channels,ES-
584.1 > 526
3.242e+005

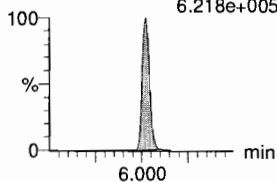


PFDoA

F54:MRM of 4 channels,ES-
612.9 > 569.0
5.566e+006

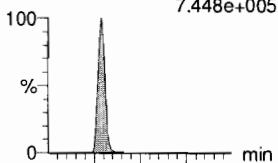


F54:MRM of 4 channels,ES-
612.9 > 318.8
6.218e+005

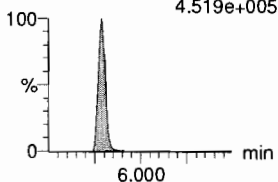


PFDS

F53:MRM of 2 channels,ES-
598.8 > 79.9
7.448e+005

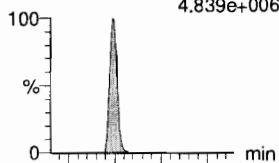


F53:MRM of 2 channels,ES-
598.8 > 98.9
4.519e+005

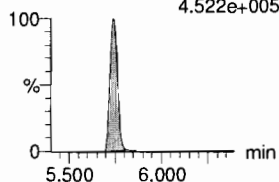


PFUdA

F46:MRM of 2 channels,ES-
563.0 > 518.9
4.839e+006

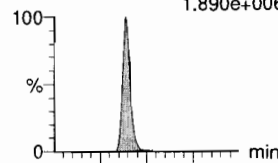


F46:MRM of 2 channels,ES-
563.0 > 269
4.522e+005

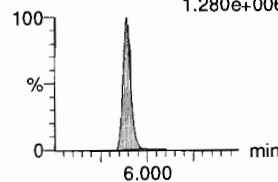


N-MeFOSA

F36:MRM of 2 channels,ES-
512.1 > 168.9
1.890e+006

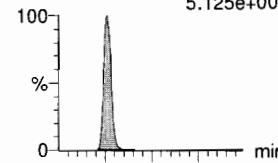


F36:MRM of 2 channels,ES-
512.1 > 219
1.280e+006

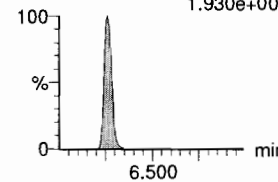


PFTrDA

F60:MRM of 2 channels,ES-
662.9 > 618.9
5.125e+006

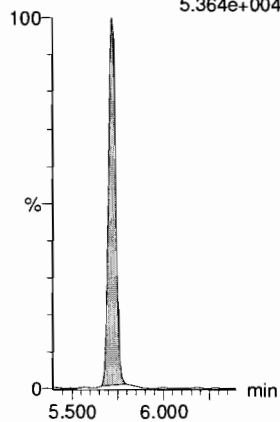


F60:MRM of 2 channels,ES-
662.9 > 319
1.930e+005



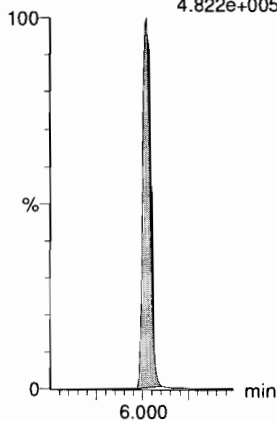
d5-N-EtFOSAA

F52:MRM of 1 channel,ES-
589.3 > 419
5.364e+004



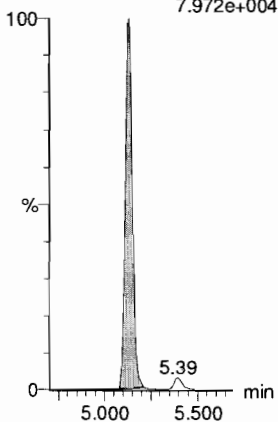
13C2-PFDoA

F55:MRM of 2 channels,ES-
615.0 > 569.7
4.822e+005



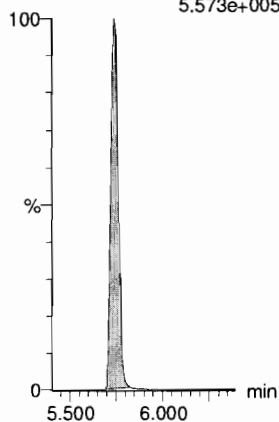
13C8-PFOS

F35:MRM of 1 channel,ES-
507.0 > 79.9
7.972e+004



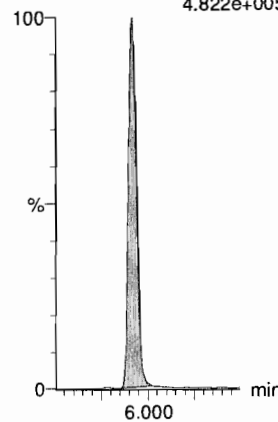
13C2-PFUdA

F47:MRM of 1 channel,ES-
565 > 519.8
5.573e+005



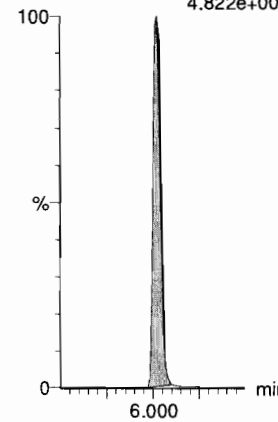
d3-N-MeFOSA

F39:MRM of 1 channel,ES-
515.2 > 168.9
4.822e+005



13C2-PFDoA

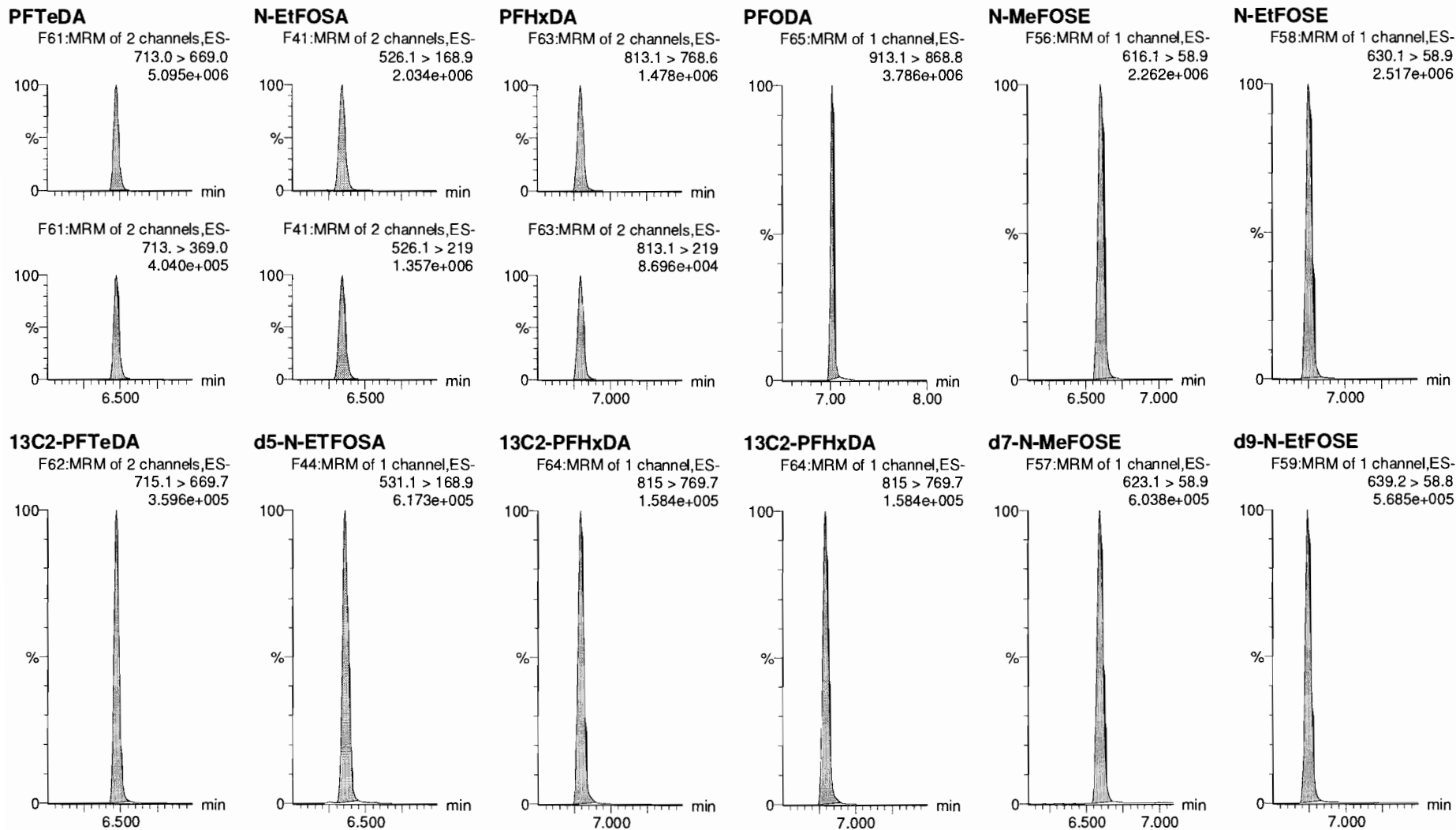
F55:MRM of 2 channels,ES-
615.0 > 569.7
4.822e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

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Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

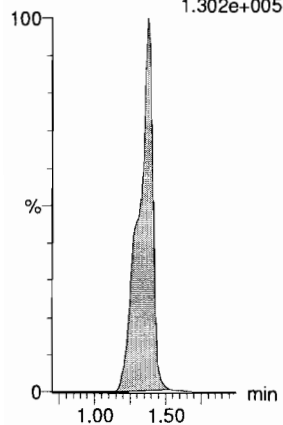
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_9, Date: 24-Oct-2018, Time: 12:33:13, ID: ST181024M2-8 PFC CS5 18J1709, Description: PFC CS5 18J1709

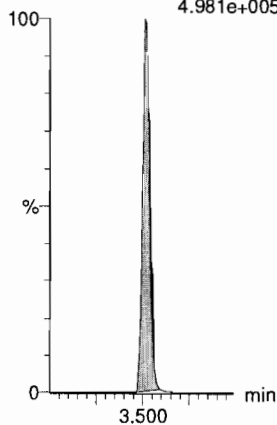
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.302e+005



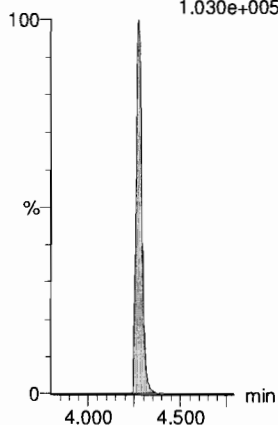
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.981e+005



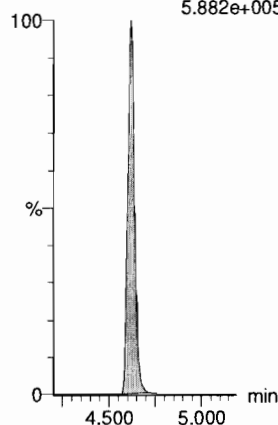
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.030e+005



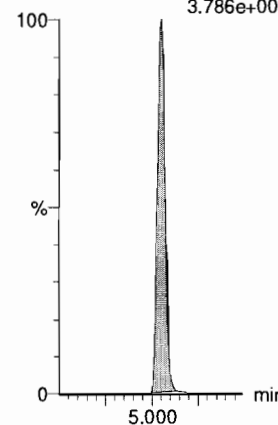
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
5.882e+005



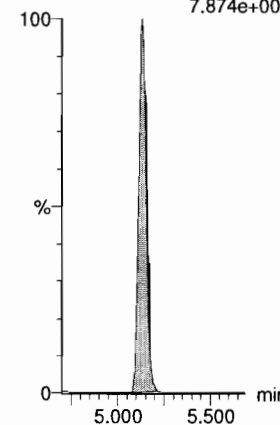
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.786e+005



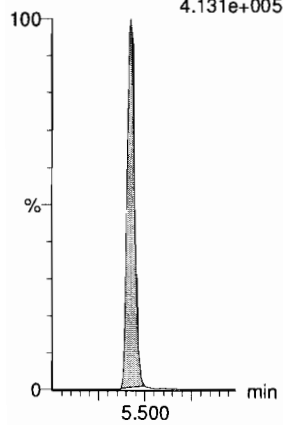
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
7.874e+004



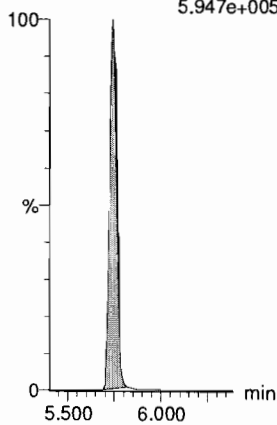
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.131e+005



13C7-PFUDa

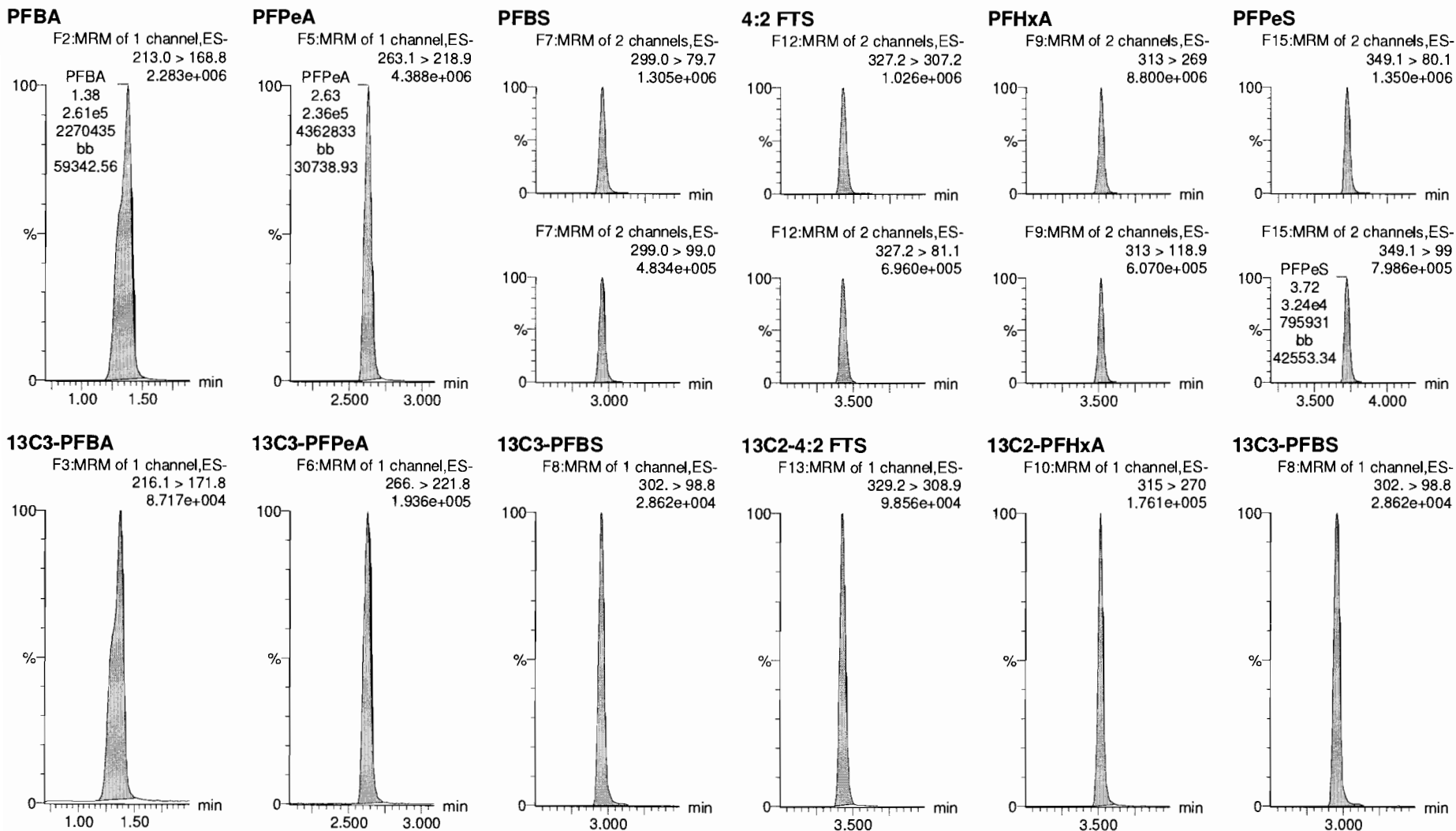
F49:MRM of 1 channel,ES-
570.1 > 524.8
5.947e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710

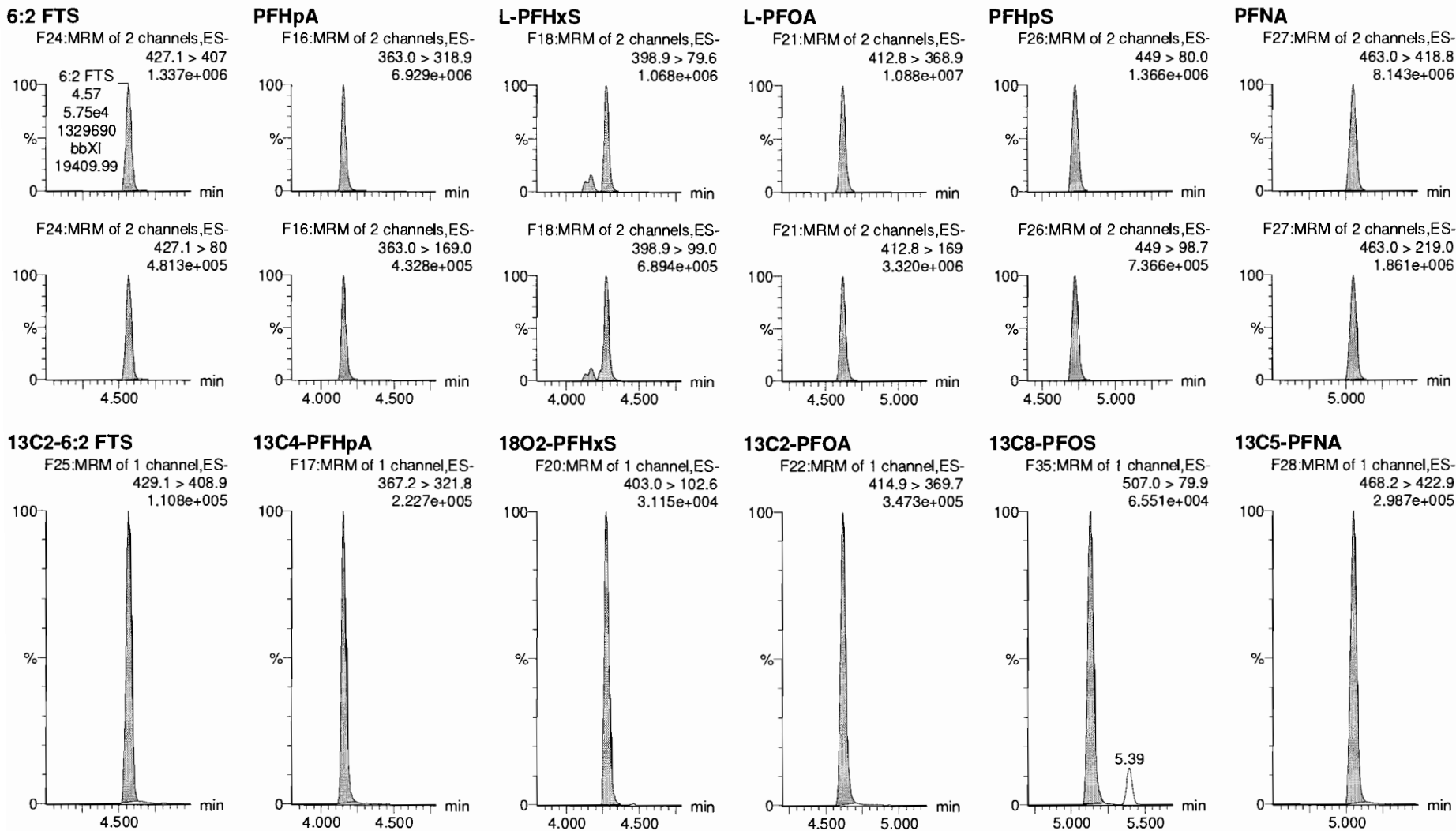


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Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

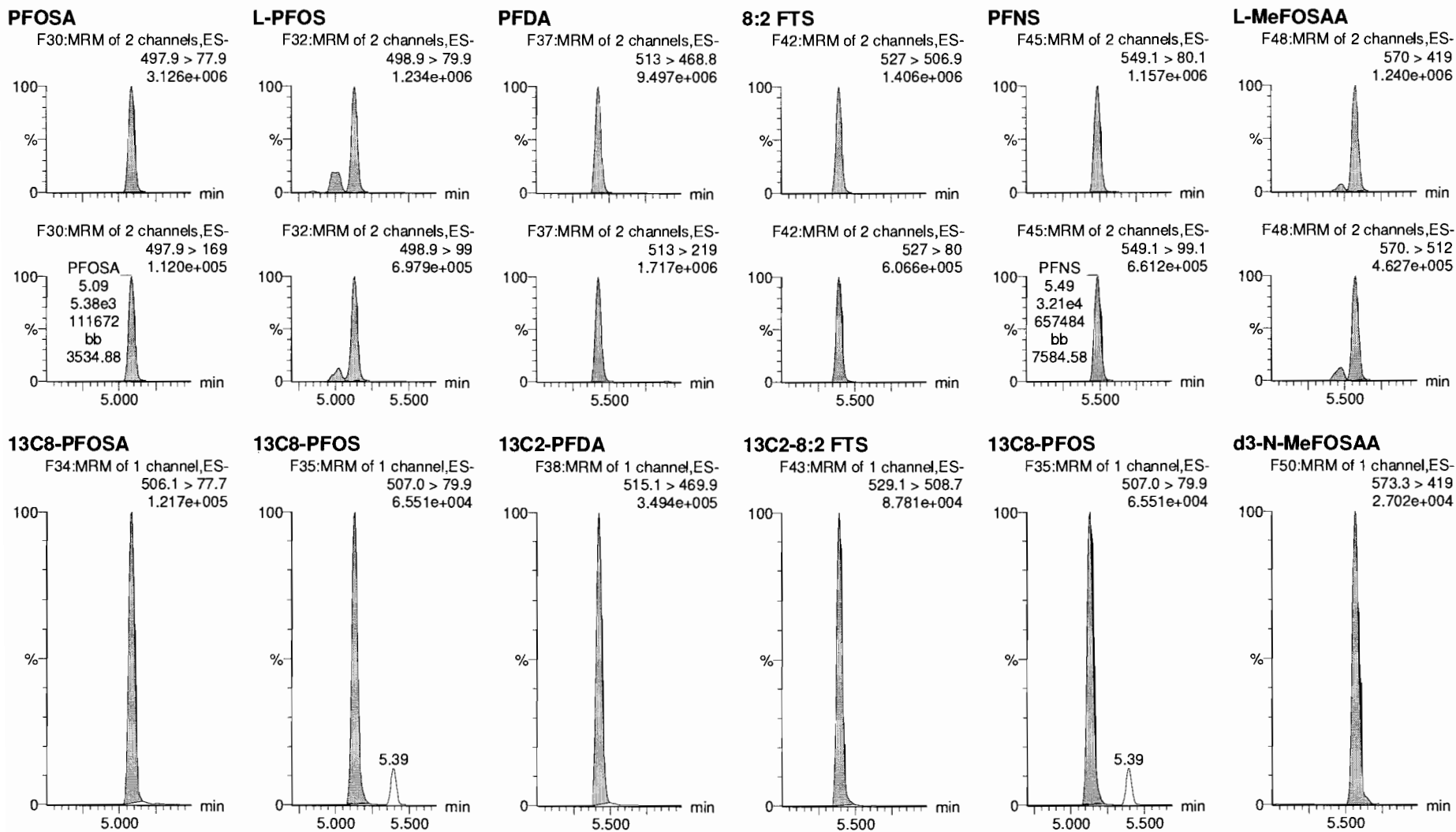
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Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
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Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710

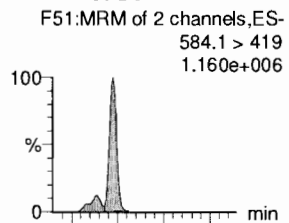


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

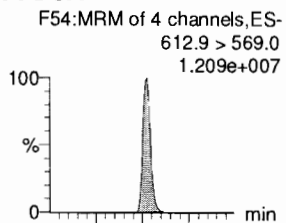
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710

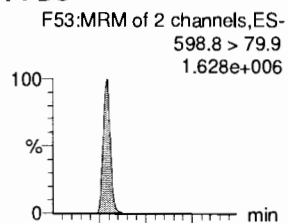
L-EtFOSAA



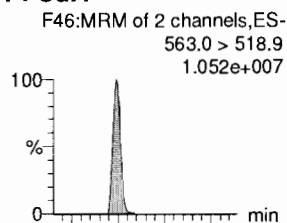
PFDoA



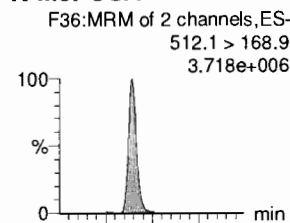
PFDS



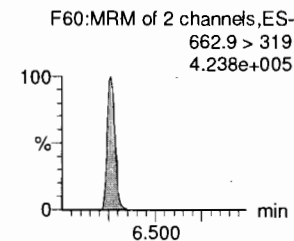
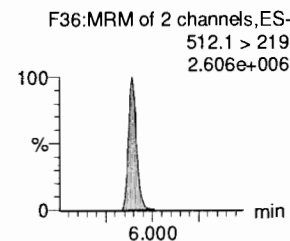
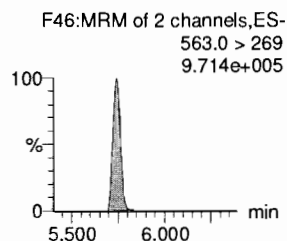
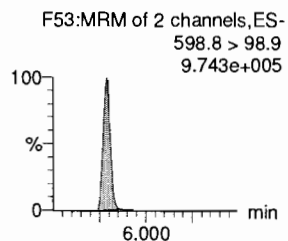
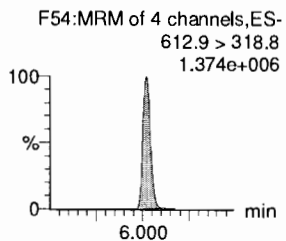
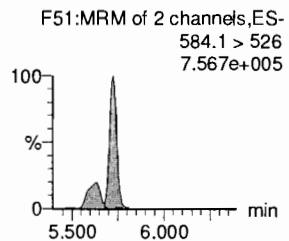
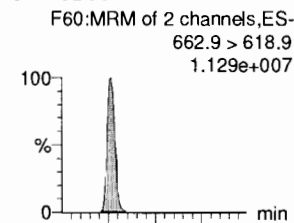
PFUdA



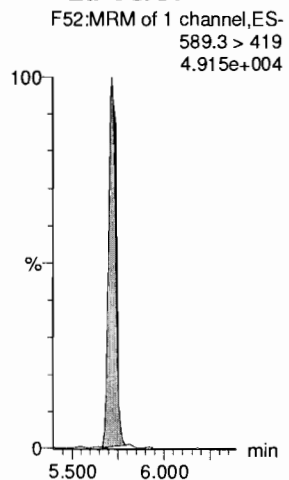
N-MeFOSA



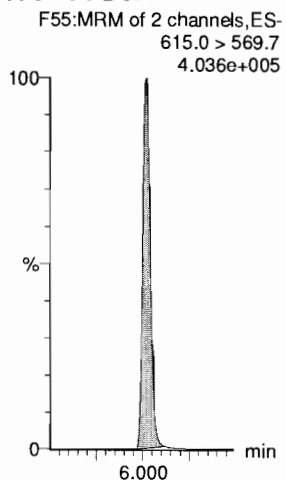
PFTrDA



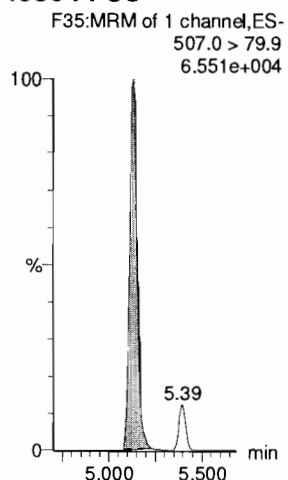
d5-N-EtFOSAA



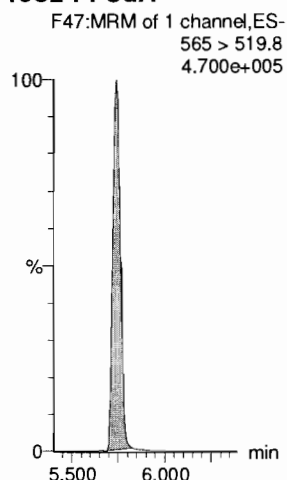
13C2-PFDoA



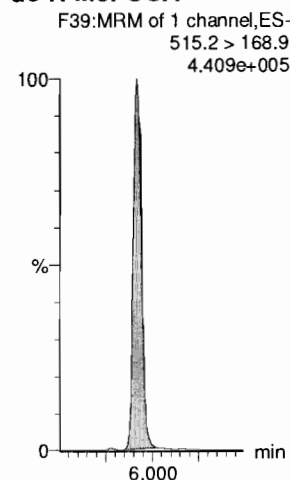
13C8-PFOS



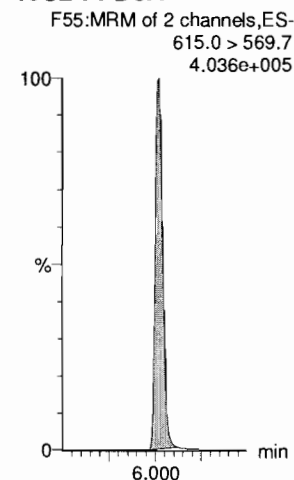
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

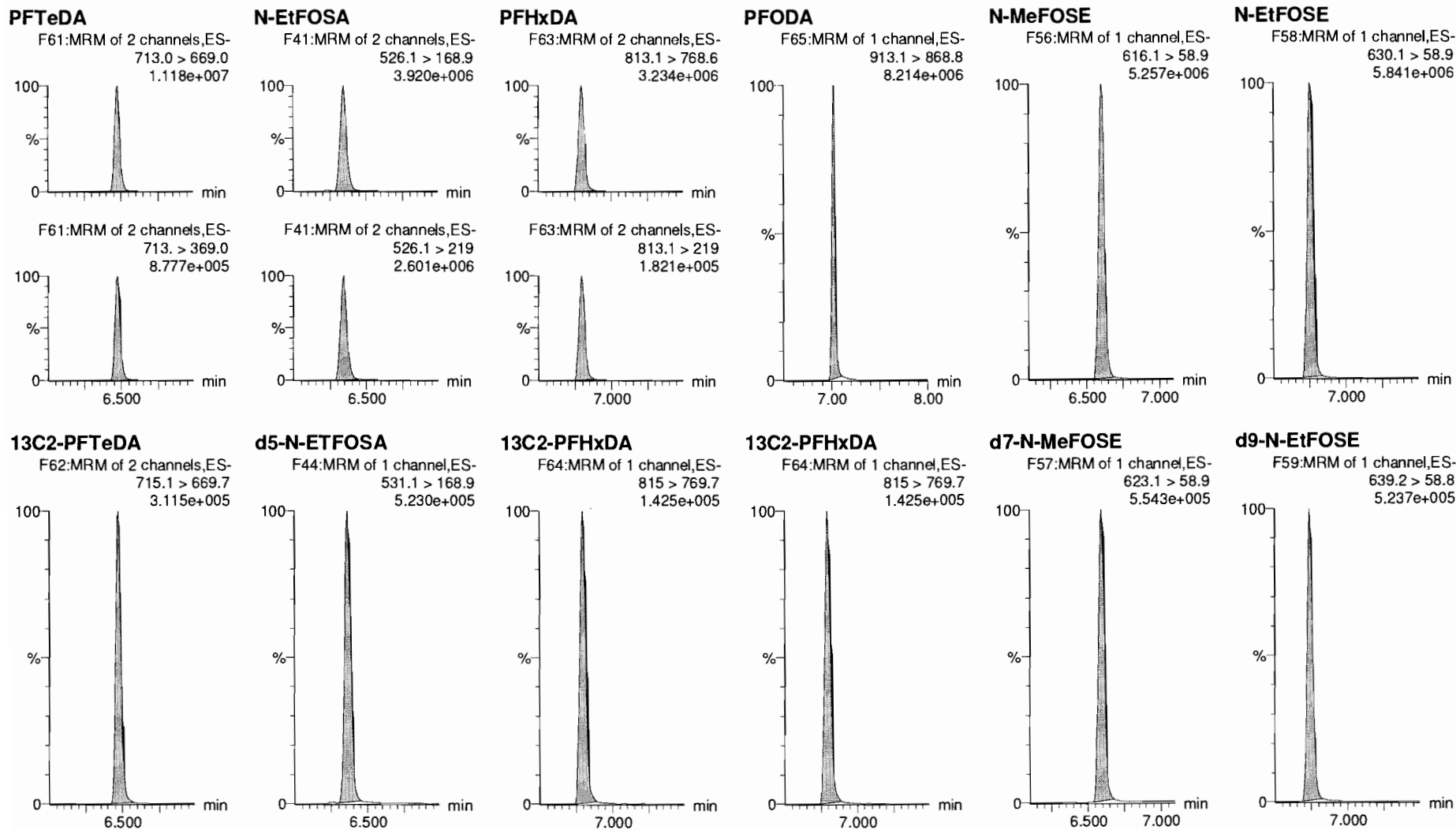


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

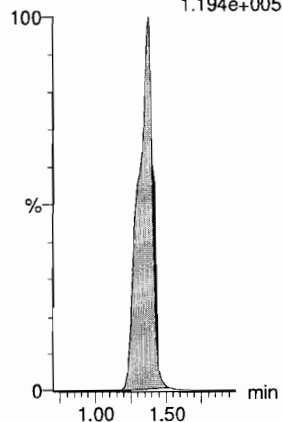
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_10, Date: 24-Oct-2018, Time: 12:43:46, ID: ST181024M2-9 PFC CS6 18J1710, Description: PFC CS6 18J1710

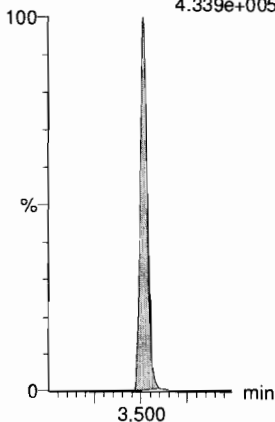
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.194e+005



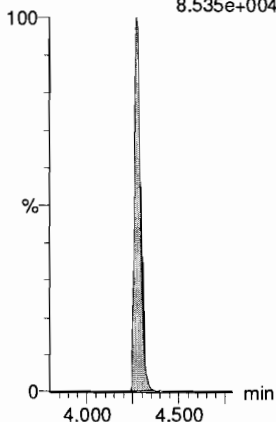
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
4.339e+005



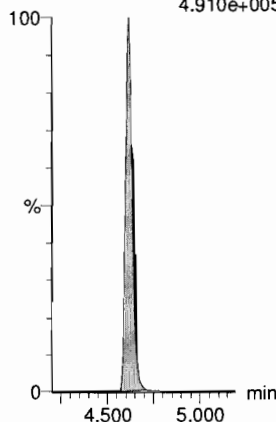
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
8.535e+004



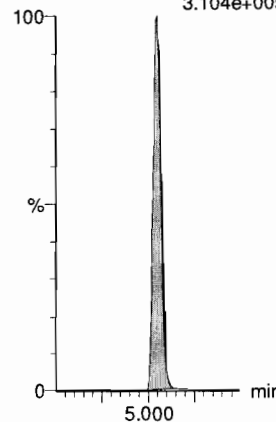
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
4.910e+005



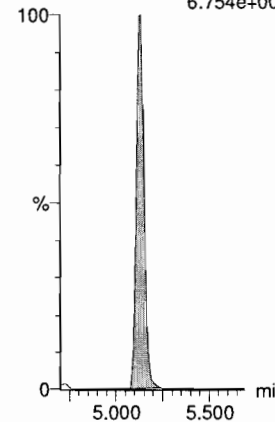
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
3.104e+005



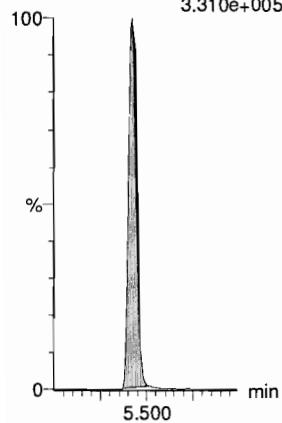
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
6.754e+004



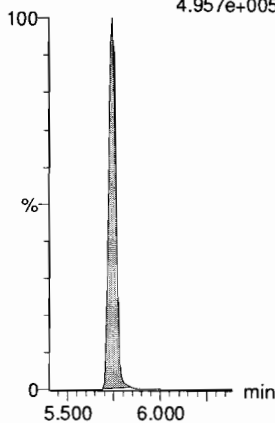
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
3.310e+005



13C7-PFUDa

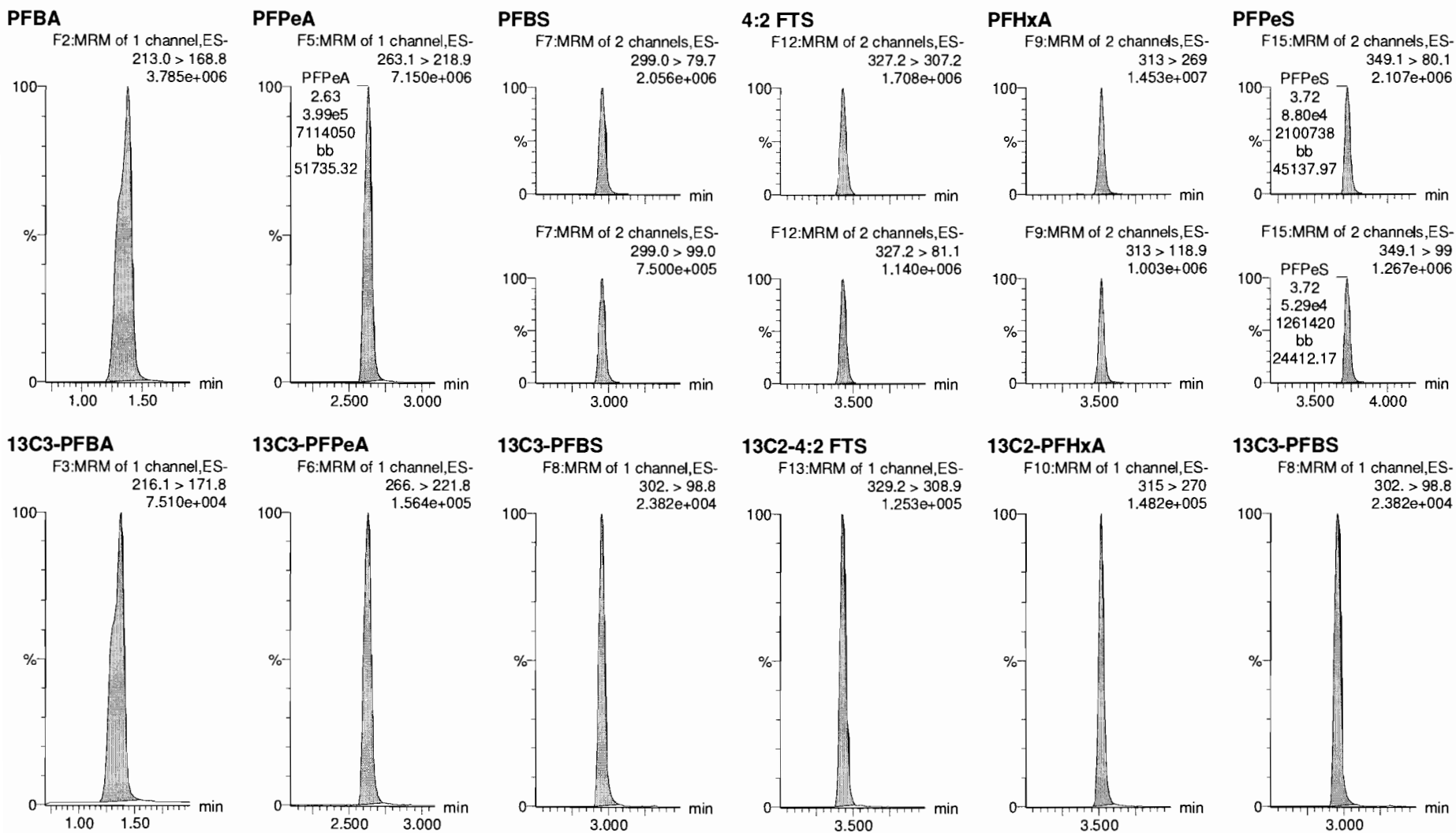
F49:MRM of 1 channel,ES-
570.1 > 524.8
4.957e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

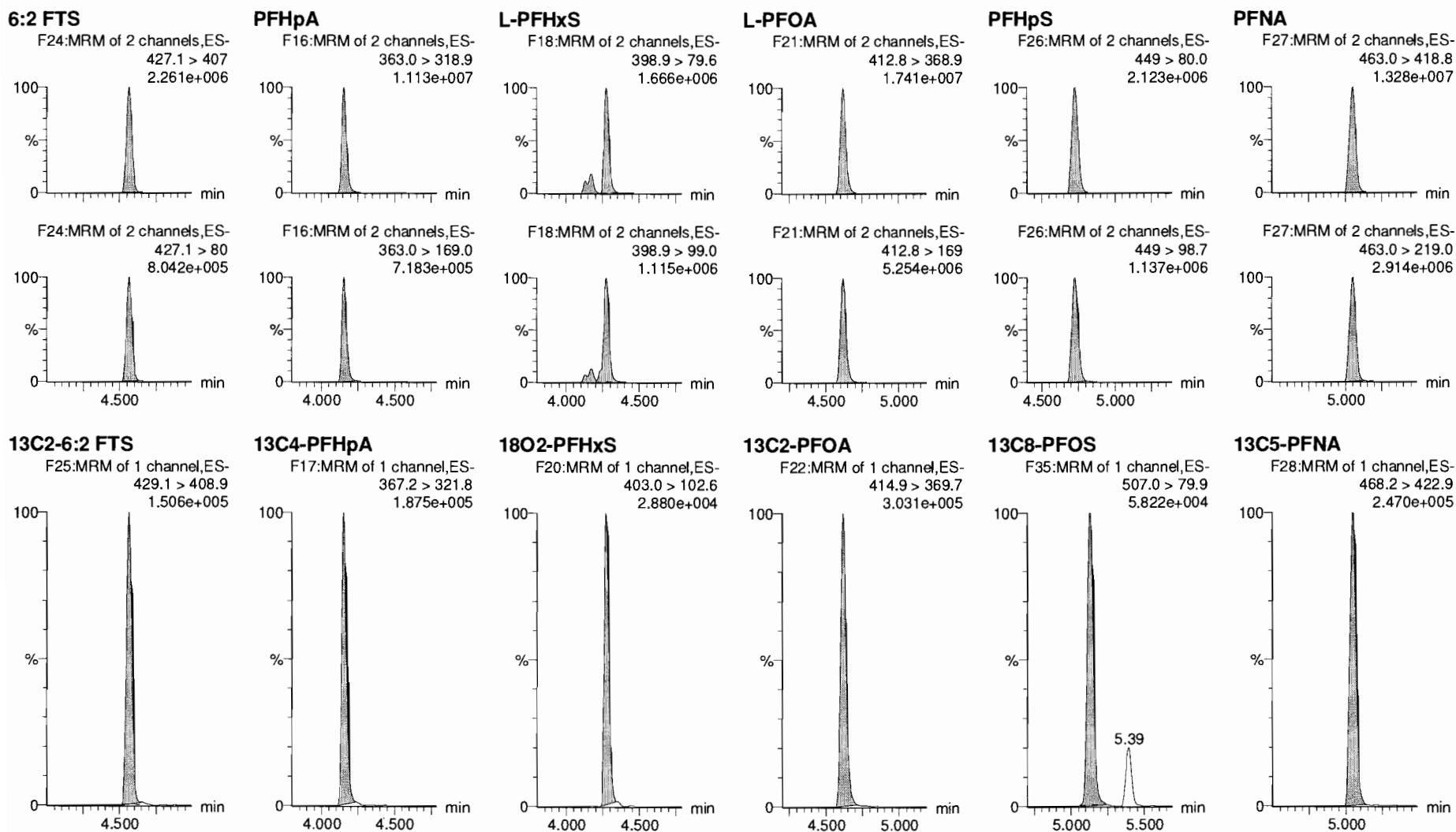
Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

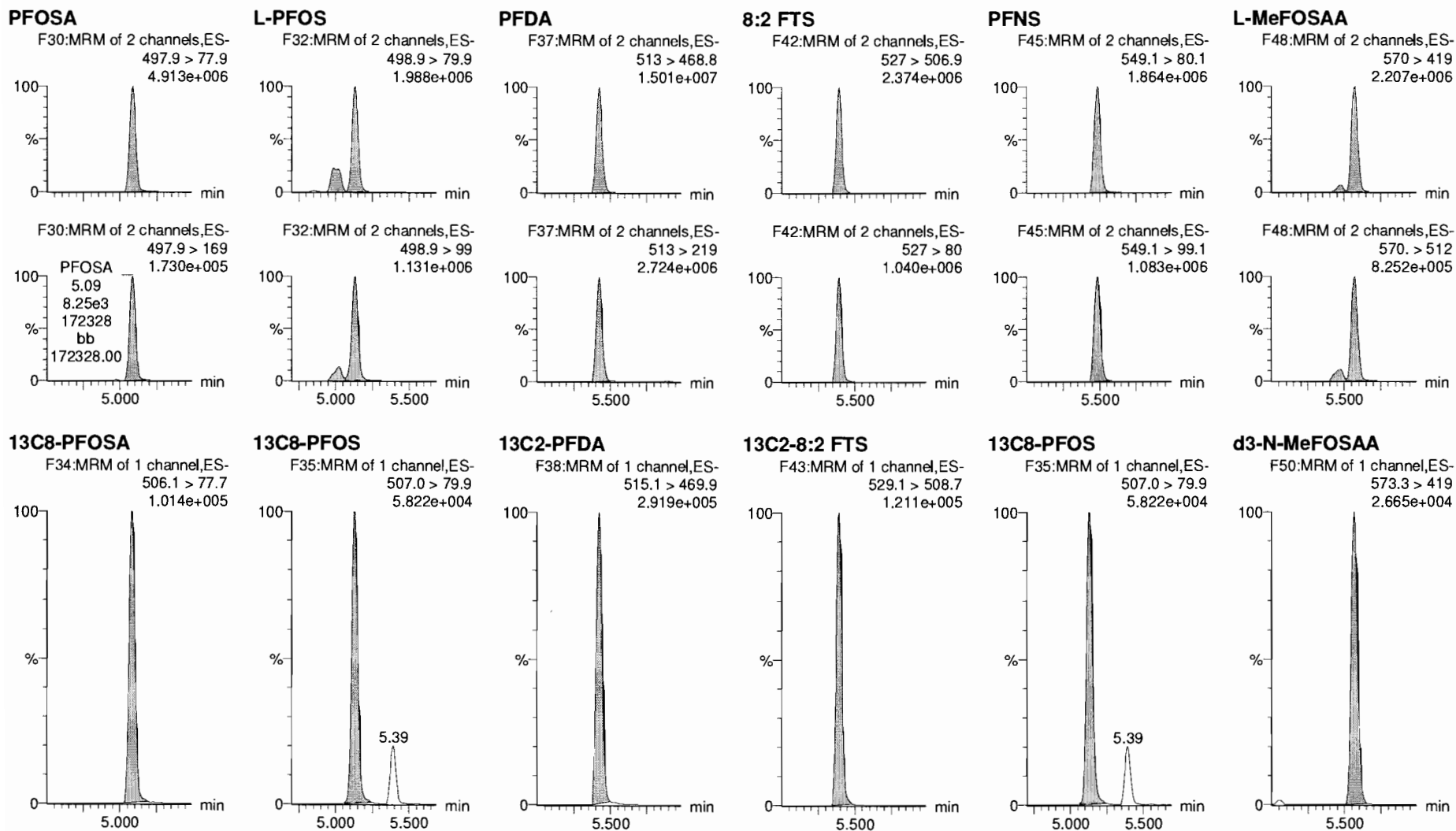
Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711



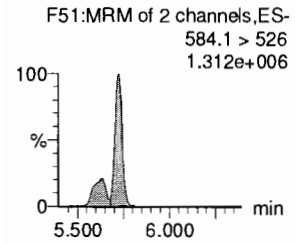
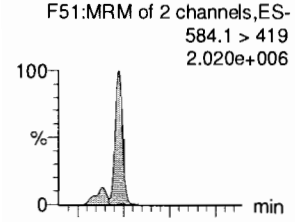
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

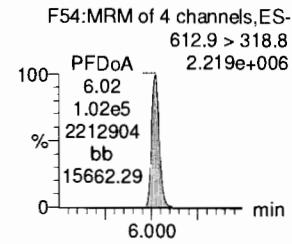
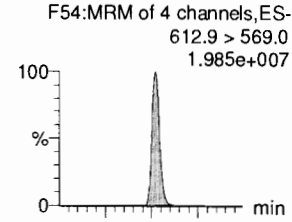
Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711

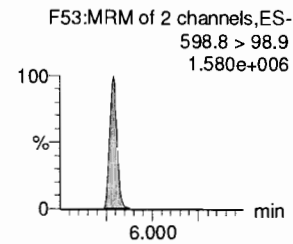
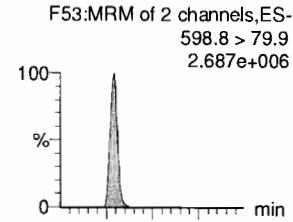
L-EtFOSAA



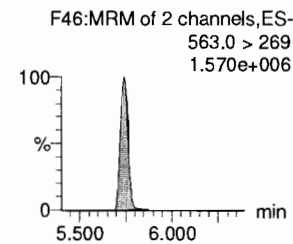
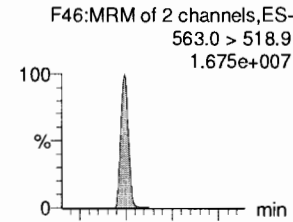
PFDoA



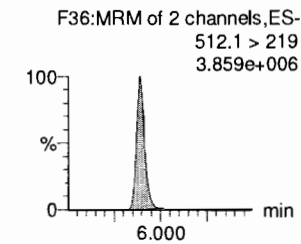
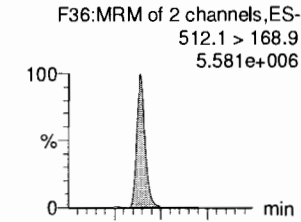
PFDS



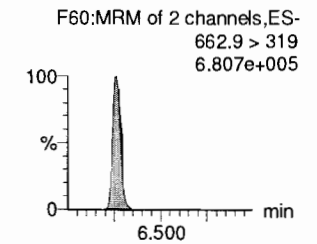
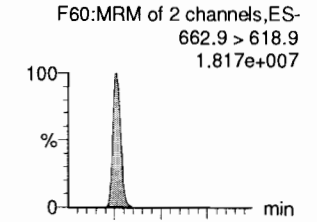
PFUdA



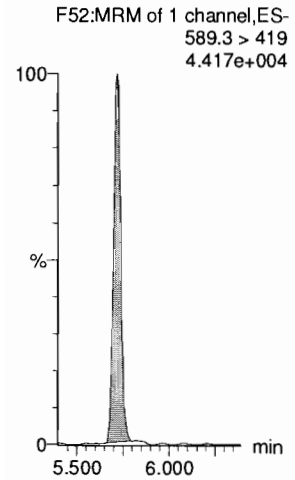
N-MeFOSA



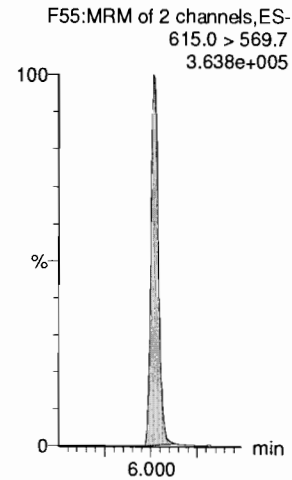
PFTrDA



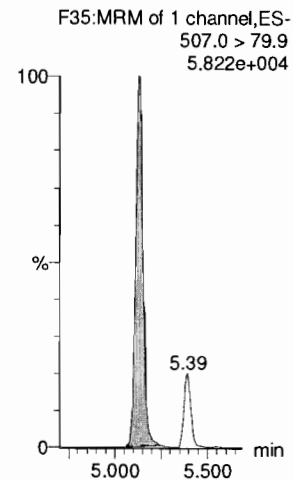
d5-N-EtFOSAA



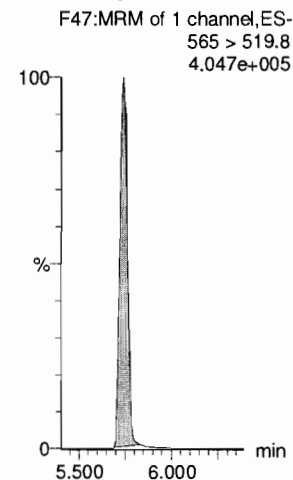
13C2-PFDoA



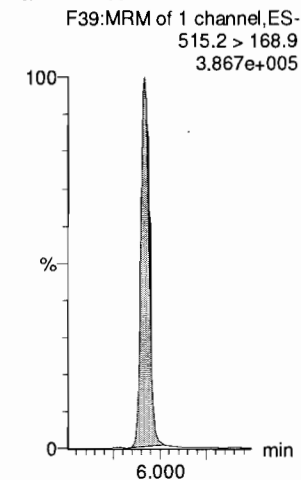
13C8-PFOS



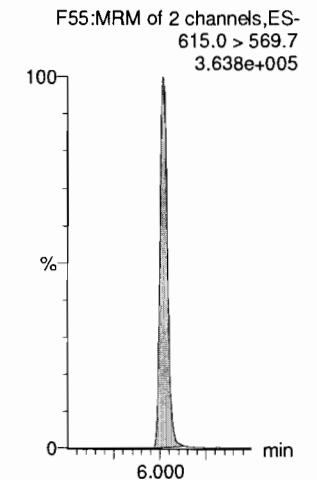
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA

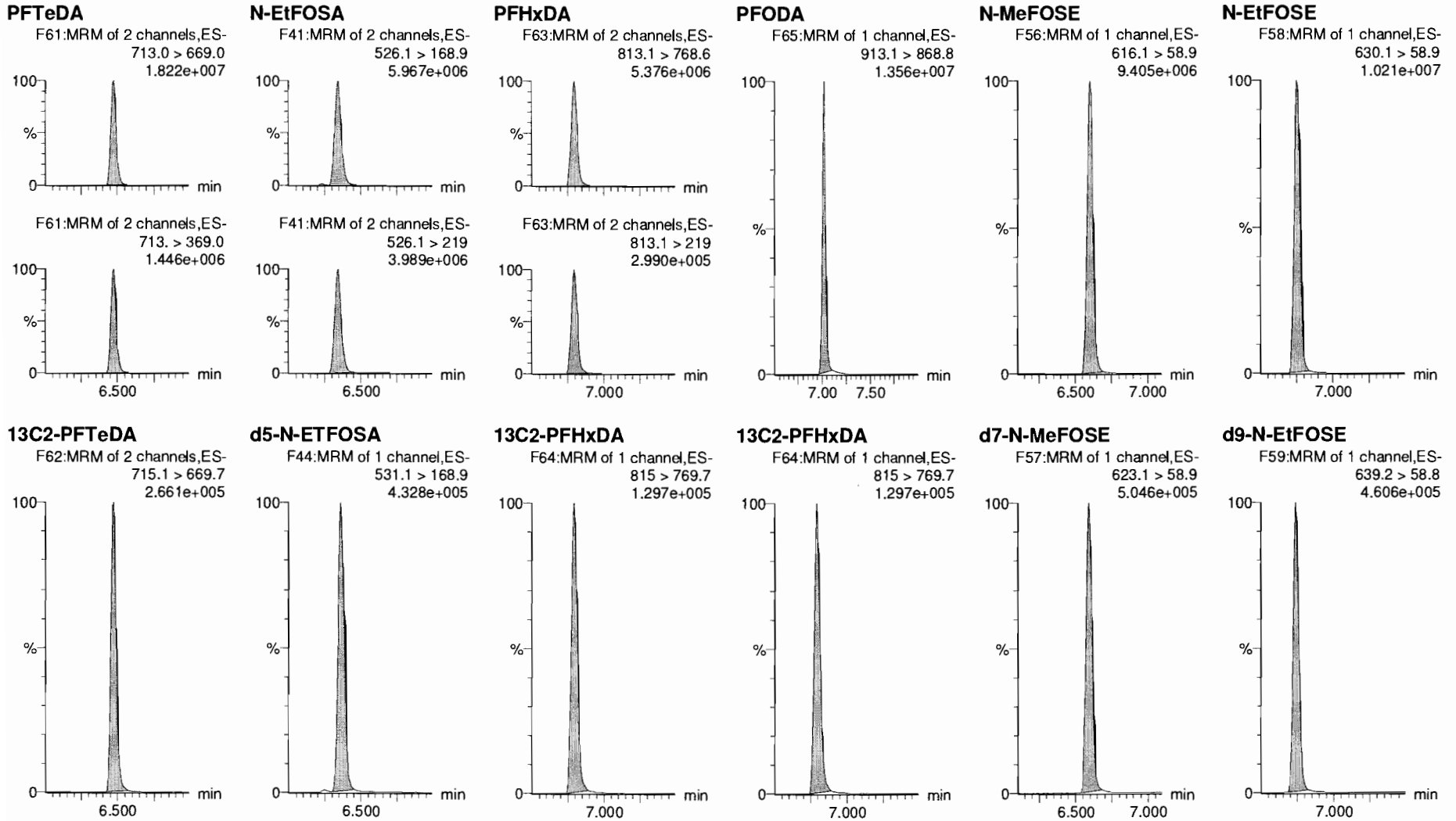


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-CRV.qld

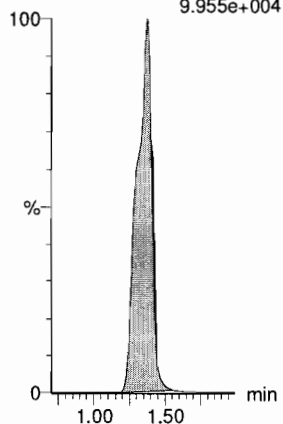
Last Altered: Wednesday, October 24, 2018 14:44:41 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 14:44:47 Pacific Daylight Time

Name: 181024M2_11, Date: 24-Oct-2018, Time: 12:54:24, ID: ST181024M2-10 PFC CS7 18J1711, Description: PFC CS7 18J1711

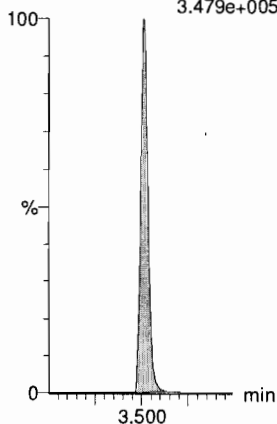
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
9.955e+004



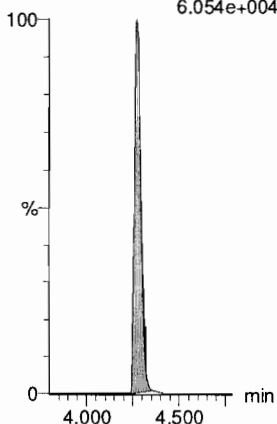
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
3.479e+005



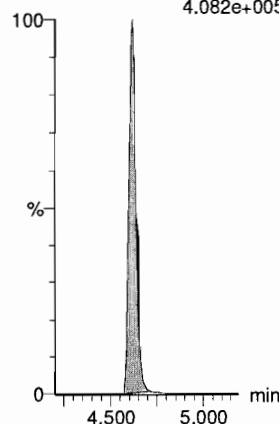
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
6.054e+004



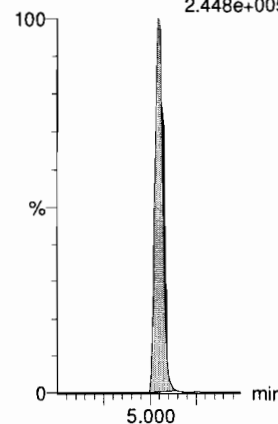
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
4.082e+005



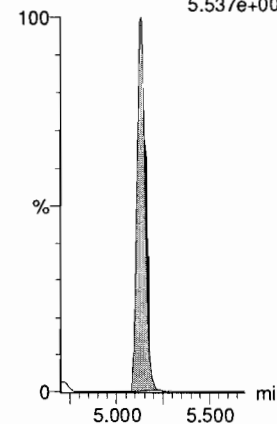
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
2.448e+005



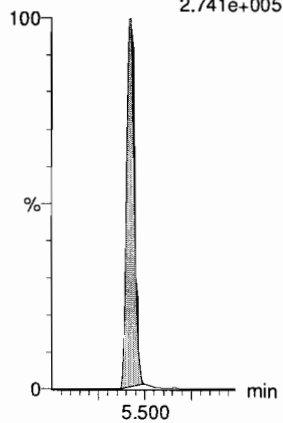
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
5.537e+004



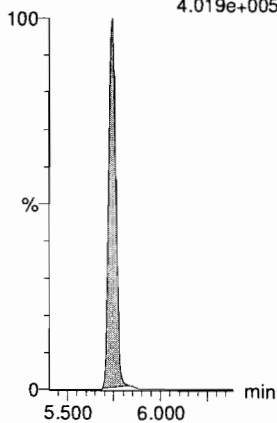
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
2.741e+005



13C7-PFuA

F49:MRM of 1 channel,ES-
570.1 > 524.8
4.019e+005



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

John
10/24/18

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
1	1 PFBA	213.0 > 168.8	9848.753	11179.315	1.00	1.39	11.012	8.5	84.9	NO		
2	2 PFPeA	263.1 > 218.9	9439.630	12591.563	1.00	2.64	9.371	8.3	83.1	NO		
3	3 PFBS	299.0 > 79.7	2213.502	1774.325	1.00	2.96	15.594	7.2	72.1	NO	2.712	NO
4	4 4:2 FTS	327.2>307.2	2026.770	3046.104	1.00	3.43	8.317	8.2	82.0	NO	1.585	NO
5	5 PFHxA	313 > 269	15229.158	8720.959	1.00	3.52	8.731	8.5	84.6	NO	14.935	NO
6	6 PFPeS	349.1>80.1	2136.484	1774.325	1.00	3.73	15.051	7.9	79.2	NO	1.683	NO
7	36 13C3-PFBA	216.1 > 171.8	11179.315	15049.608	1.00	1.39	9.285	12.6	100.5	NO		
8	37 13C3-PFPeA	266. > 221.8	12591.563	21632.219	1.00	2.64	7.276	12.4	99.2	NO		
9	38 13C3-PFBS	302. > 98.8	1774.325	3476.258	1.00	2.96	6.380	13.1	104.5	NO		
10	39 13C2-4:2 FTS	329.2>308.9	3046.104	3476.258	1.00	3.43	10.953	12.3	98.1	NO		
11	40 13C2-PFHxA	315 > 270	8720.959	21632.219	1.00	3.52	5.039	5.0	100.6	NO		
12	38 13C3-PFBS	302. > 98.8	1774.325	3476.258	1.00	2.96	6.380	13.1	104.5	NO		
13	-1											
14	10 6:2 FTS	427.1 > 407	2139.726	2736.144	1.00	4.57	9.775	7.9	79.3	NO	2.841	NO
15	7 PFHpA	363.0 > 318.9	11458.459	10741.710	1.00	4.16	13.334	8.8	87.8	NO	17.471	NO
16	8 L-PFHxS	398.9 > 79.6	1748.222	1413.354	1.00	4.28	15.462	7.6	76.5	NO	1.488	NO
17	11 L-PFOA	412.8 > 368.9	19720.557	18972.607	1.00	4.62	12.993	8.1	81.2	NO	3.332	NO
18	13 PFHpS	449 > 80.0	2412.026	3860.328	1.00	4.73	7.810	7.8	77.9	NO	1.865	NO
19	14 PFNA	463.0 > 418.8	17093.877	18892.016	1.00	5.05	11.310	8.2	82.4	NO	4.583	NO
20	43 13C2-6:2 FTS	429.1 > 408.9	2736.144	3795.666	1.00	4.57	9.011	10.7	85.2	NO		
21	41 13C4-PFHpA	367.2 > 321.8	10741.710	21632.219	1.00	4.16	6.207	12.1	96.8	NO		
22	42 18O2-PFHxS	403.0 > 102.6	1413.354	3476.258	1.00	4.28	5.082	12.8	102.5	NO		
23	44 13C2-PFOA	414.9 > 369.7	18972.607	26856.297	1.00	4.62	8.831	12.3	98.1	NO		
24	47 13C8-PFOS	507.0 > 79.9	3860.328	3795.666	1.00	5.13	12.713	12.4	99.4	NO		
25	45 13C5-PFNA	468.2 > 422.9	18892.016	19478.648	1.00	5.05	12.124	12.5	100.1	NO		
26	-1											
27	15 PFOSA	497.9 > 77.9	6789.097	8197.159	1.00	5.09	10.353	8.2	82.2	NO	25.591	NO
28	16 L-PFOS	498.9 > 79.9	2813.989	3860.328	1.00	5.13	9.112	7.7	77.4	NO	2.161	NO
29	18 PFDA	513 > 468.8	19358.289	20814.246	1.00	5.42	11.626	8.4	84.5	NO	5.798	NO
30	19 8:2 FTS	527 > 506.9	2434.021	2043.868	1.00	5.39	14.886	8.8	87.9	NO	2.340	NO
31	20 PFNS	549.1 > 80.1	2070.424	3860.328	1.00	5.49	6.704	7.8	77.6	NO	1.721	NO
32	21 L-MeFOSAA	570 > 419	2782.004	1468.902	1.00	5.57	23.674	9.7	97.0	NO	2.749	NO
33	46 13C8-PFOA	506.1 > 77.7	8197.159	28708.824	1.00	5.09	3.569	12.1	96.6	NO		
34	47 13C8-PFOS	507.0 > 79.9	3860.328	3795.666	1.00	5.13	12.713	12.4	99.4	NO		
35	48 13C2-PFDA	515.1 > 469.9	20814.246	20282.342	1.00	5.42	12.828	12.3	98.7	NO		
36	49 13C2-8:2 FTS	529.1 > 508.7	2043.868	3795.666	1.00	5.39	6.731	11.4	91.2	NO		

KBF
10/24/18

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

	# Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery ...	Ion Ratio	Ratio Out?
37	47 13C8-PFOS	507.0 > 79.9	3860.328	3795.666	1.00	5.13	12.713	12.4	99.4	NO		
38	50 d3-N-MeFOSAA	573.3 > 419	1468.902	28708.824	1.00	5.57	0.640	11.7	93.3	NO		
39	-1											
40	23 L-EtFOSAA	584.1 > 419	2632.241	2531.165	1.00	5.72	12.999	9.3	93.2	NO	1.379	NO
41	27 PFD _o A	612.9 > 569.0	23189.035	23009.941	1.00	6.02	12.597	8.2	82.0	NO	9.349	NO
42	26 PFDS	598.8 > 79.9	3000.284	3860.328	1.00	5.79	9.715	8.7	86.6	NO	1.814	NO
43	25 PFUD _A	563.0 > 518.9	19995.508	26451.236	1.00	5.74	9.449	8.4	83.9	NO	10.711	NO
44	28 N-MeFOSA	512.1 > 168.9		25549.340	1.00					NO		
45	29 PFT _r DA	662.9 > 618.9	22487.676	23009.941	1.00	6.26	12.216	8.1	81.1	NO	25.836	NO
46	52 d5-N-EtFOSAA	589.3 > 419	2531.165	28708.824	1.00	5.72	1.102	12.1	96.8	NO		
47	53 13C2-PFD _o A	615.0 > 569.7	23009.941	20282.342	1.00	6.02	14.181	12.9	102.9	NO		
48	47 13C8-PFOS	507.0 > 79.9	3860.328	3795.666	1.00	5.13	12.713	12.4	99.4	NO		
49	51 13C2-PFUD _A	565 > 519.8	26451.236	28708.824	1.00	5.74	11.517	12.0	95.9	NO		
50	54 d3-N-MeFOSA	515.2 > 168.9	25549.340	28708.824	1.00	5.92	11.124	146.3	97.6	NO		
51	53 13C2-PFD _o A	615.0 > 569.7	23009.941	20282.342	1.00	6.02	14.181	12.9	102.9	NO		
52	-1											
53	30 PFT _e DA	713.0 > 669.0	19741.063	15316.597	1.00	6.47	16.111	8.8	87.8	NO	12.830	NO
54	31 N-EtFOSA	526.1 > 168.9		34249.770	1.00					NO		
55	32 PFH _x DA	813.1 > 768.6		7329.136	1.00					NO		
56	33 PFODA	913.1 > 868.8		7329.136	1.00					NO		
57	34 N-MeFOSE	616.1 > 58.9		29142.629	1.00					NO		
58	35 N-EtFOSE	630.1 > 58.9		26667.604	1.00					NO		
59	55 13C2-PFT _e DA	715.1 > 669.7	15316.597	28708.824	1.00	6.47	6.669	11.9	95.1	NO		
60	56 d5-N-ETFOSA	531.1 > 168.9	34249.770	28708.824	1.00	6.36	14.913	148.3	98.9	NO		
61	57 13C2-PFH _x DA	815 > 769.7	7329.136	28708.824	1.00	6.80	3.191	4.6	91.3	NO		
62	57 13C2-PFH _x DA	815 > 769.7	7329.136	28708.824	1.00	6.80	3.191	4.6	91.3	NO		
63	58 d7-N-MeFOSE	623.1 > 58.9	29142.629	28708.824	1.00	6.60	12.689	136.4	91.0	NO		
64	59 d9-N-EtFOSE	639.2 > 58.8	26667.604	28708.824	1.00	6.74	11.611	137.2	91.5	NO		
65	-1											
66	60 13C4-PFBA	217. > 172	15049.608	15049.608	1.00	1.39	12.500	12.5	100.0	NO		
67	61 13C5-PFH _x A	318 > 272.9	21632.219	21632.219	1.00	3.52	12.500	12.5	100.0	NO		
68	62 13C3-PFH _x S	401.8 > 79.9	3476.258	3476.258	1.00	4.28	12.500	12.5	100.0	NO		
69	63 13C8-PFOA	420.9 > 376	26856.297	26856.297	1.00	4.62	12.500	12.5	100.0	NO		
70	64 13C9-PFNA	472.2 > 426.9	19478.648	19478.648	1.00	5.05	12.500	12.5	100.0	NO		
71	65 13C4-PFOS	503 > 79.9	3795.666	3795.666	1.00	5.13	12.500	12.5	100.0	NO		
72	66 13C6-PFDA	519.1 > 473.7	20282.342	20282.342	1.00	5.43	12.500	12.5	100.0	NO		

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

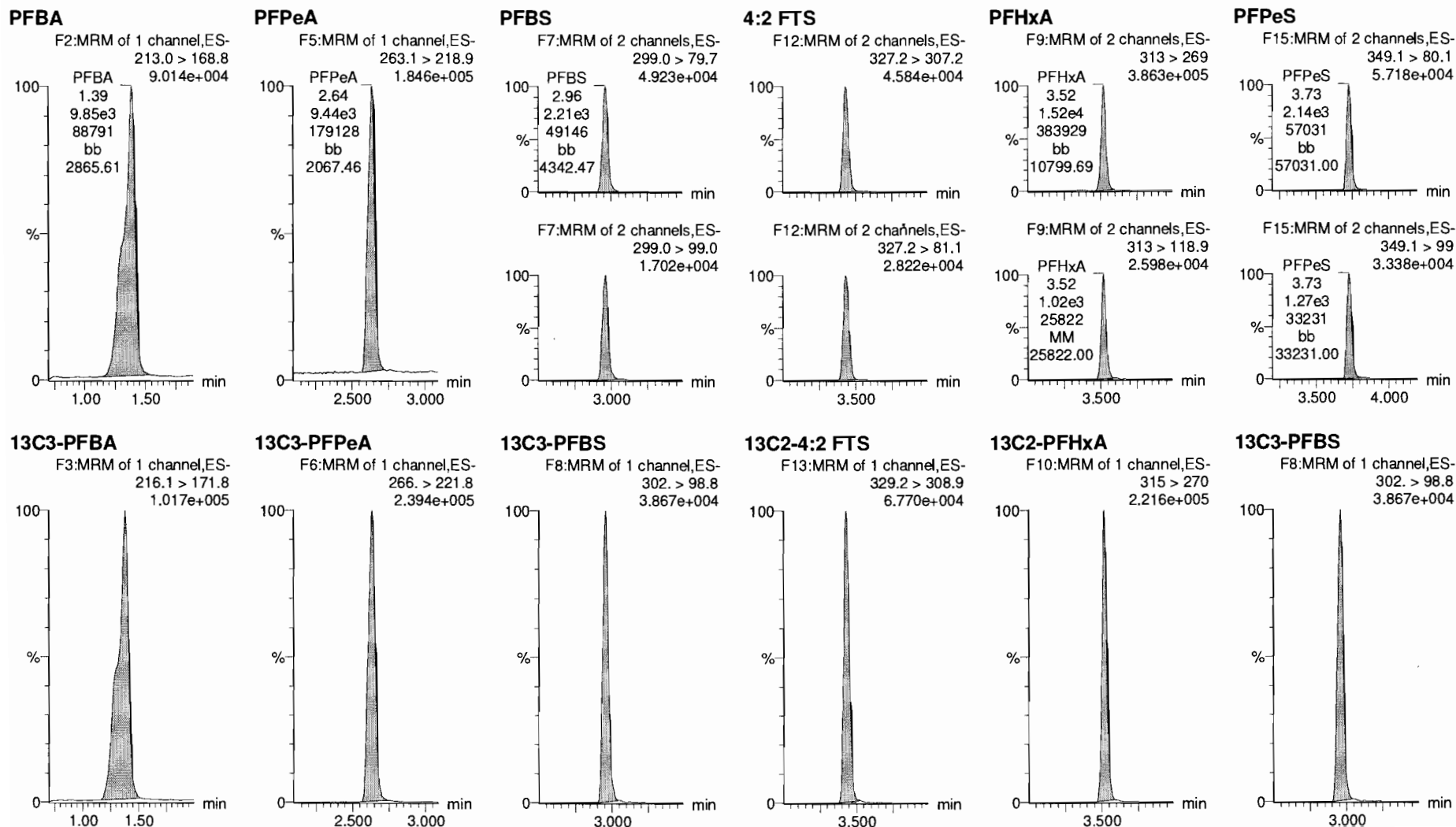
#	Name	Trace	Area	IS Area	wt/vol	RT	Response	Conc.	%Rec	Recovery...	Ion Ratio	Ratio Out?
73	67 13C7-PFUdA	570.1 > 524.8	28708.824	28708.824	1.00	5.74	12.500	12.5	100.0		NO	

Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

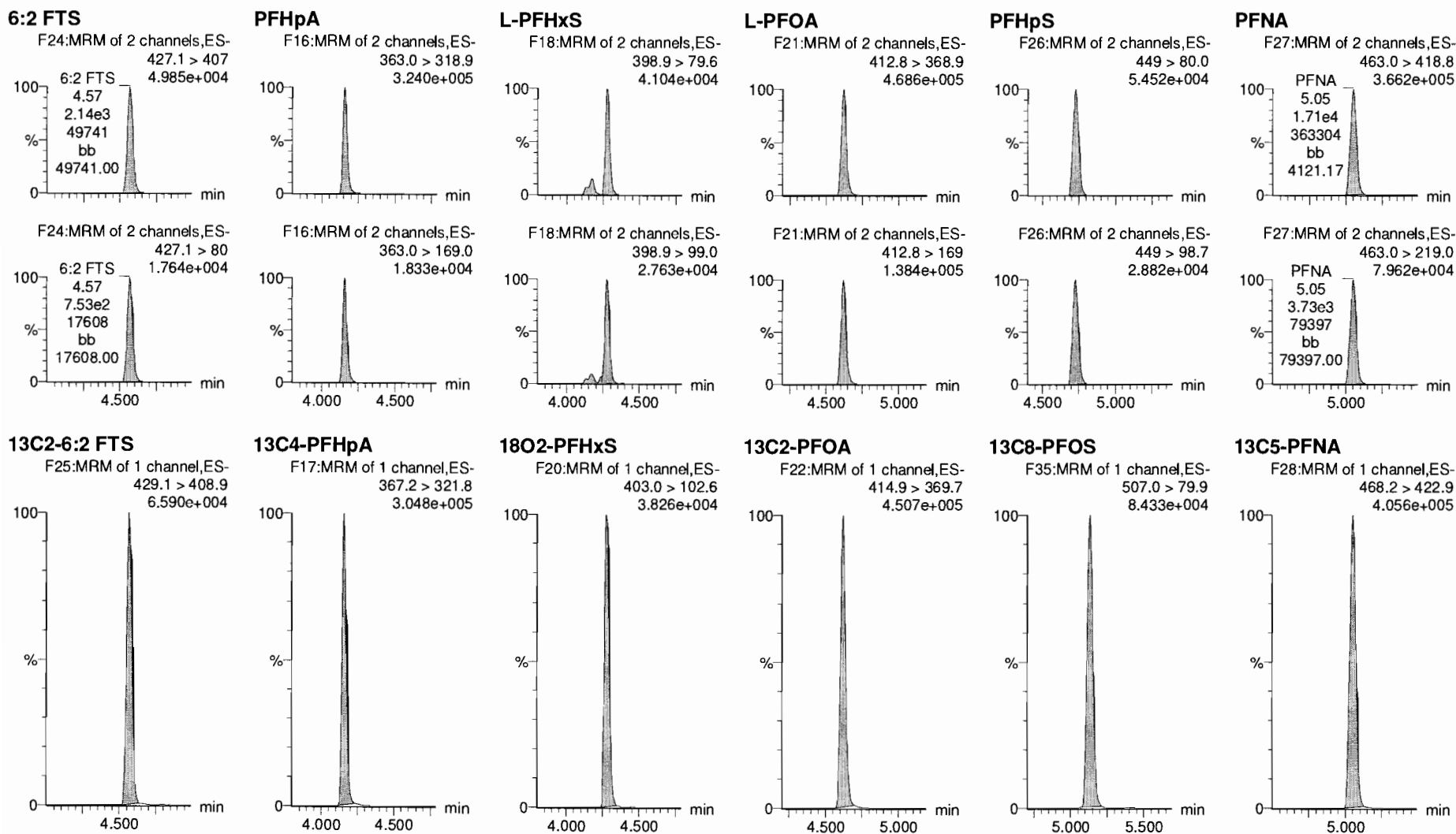
Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201



Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

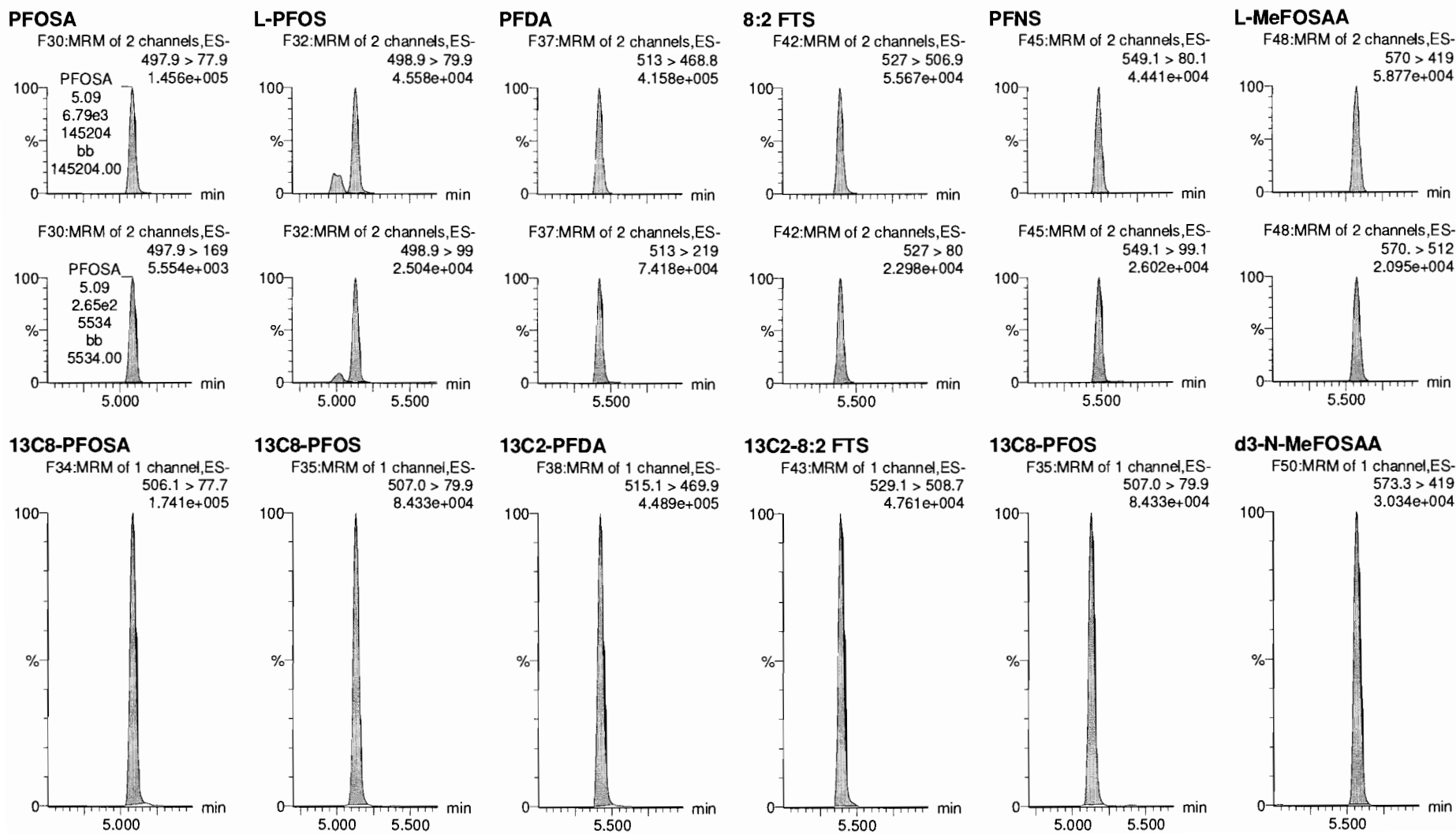


Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time

Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201



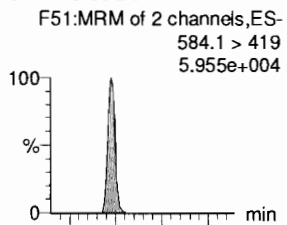
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Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time

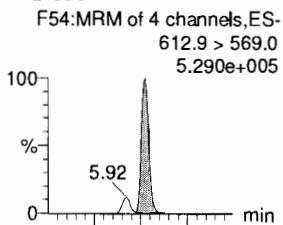
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

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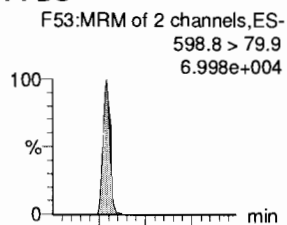
L-EtFOSAA



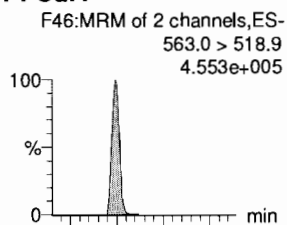
PFDoA



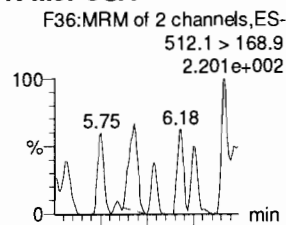
PFDS



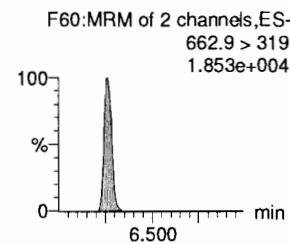
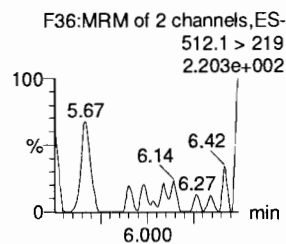
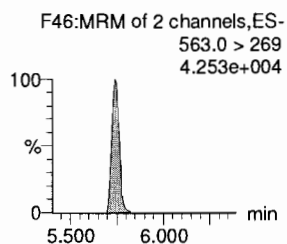
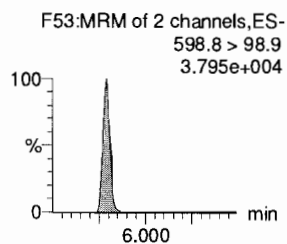
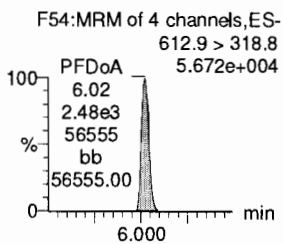
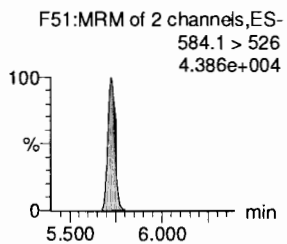
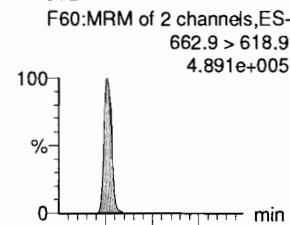
PFUdA



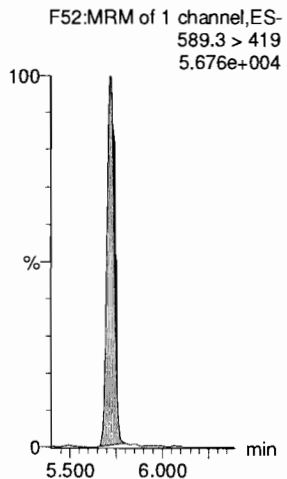
N-MeFOSA



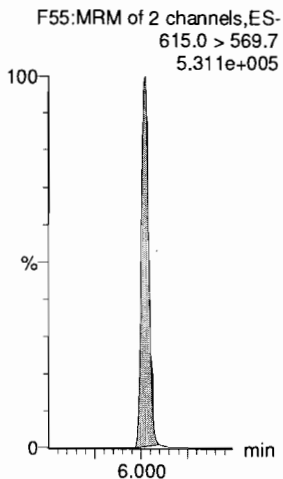
PFTrDA



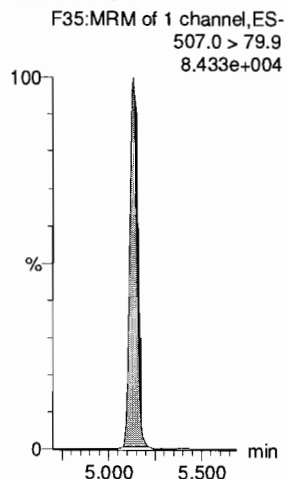
d5-N-EtFOSAA



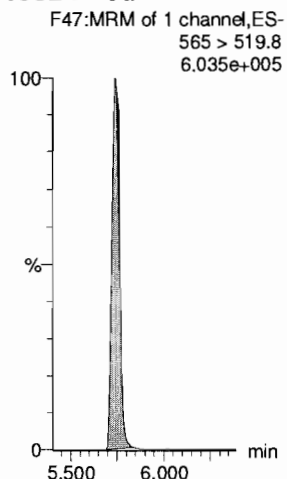
13C2-PFDoA



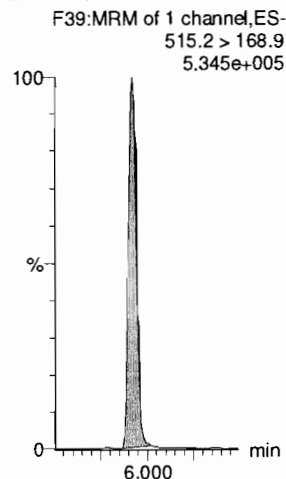
13C8-PFOS



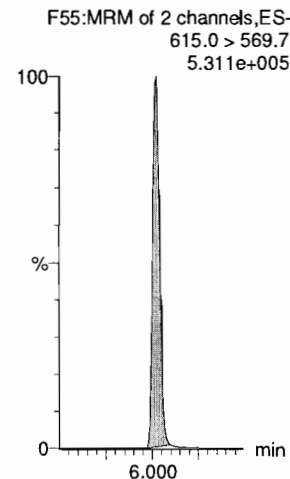
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



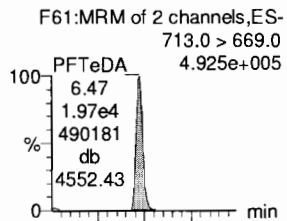
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time

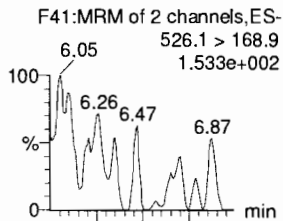
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

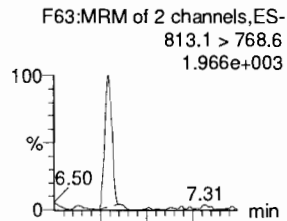
PFTeDA



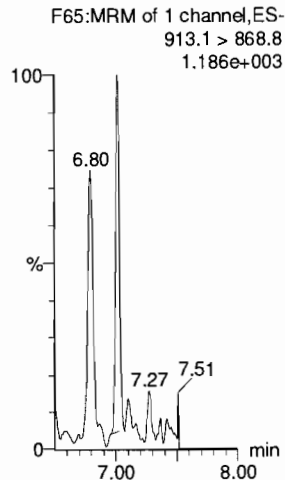
N-EtFOSEA



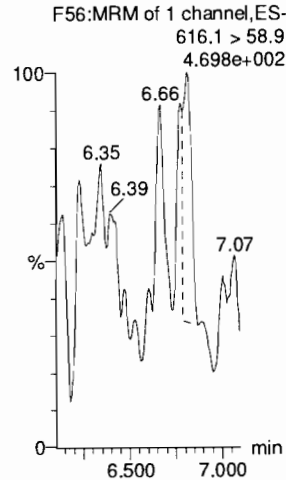
PFHxDA



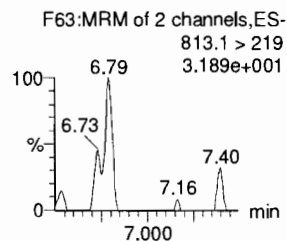
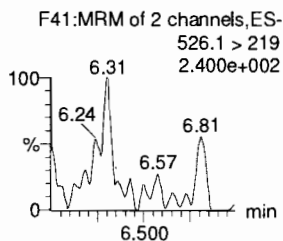
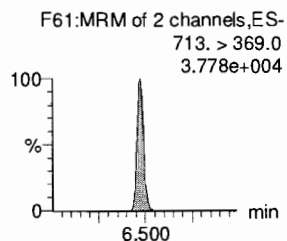
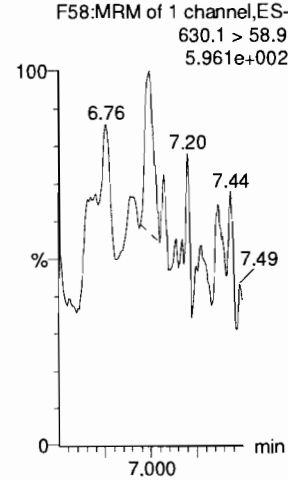
PFODA



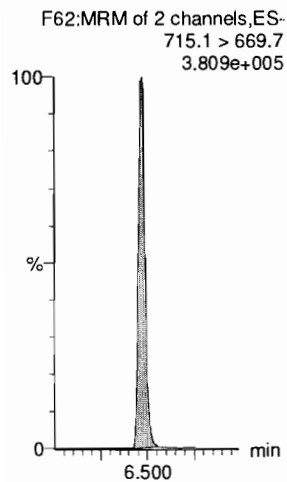
N-MeFOSE



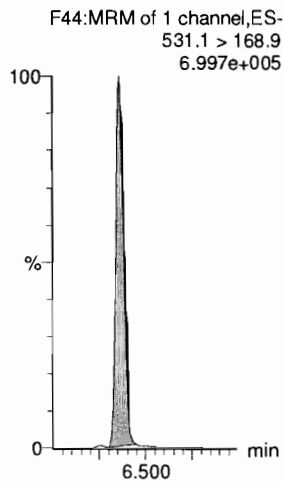
N-EtFOSE



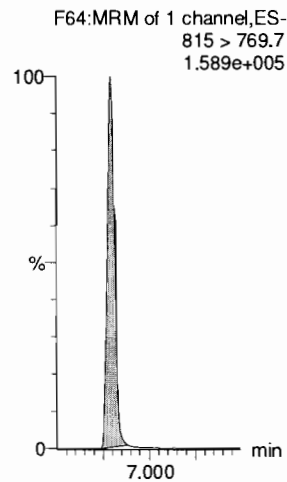
13C2-PFTeDA



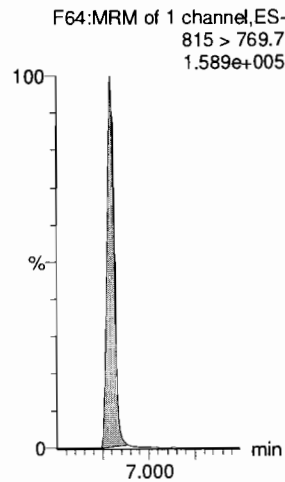
d5-N-ETFOSEA



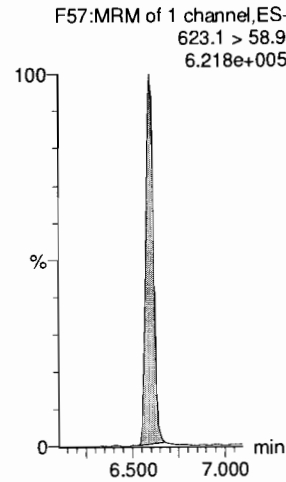
13C2-PFHxDA



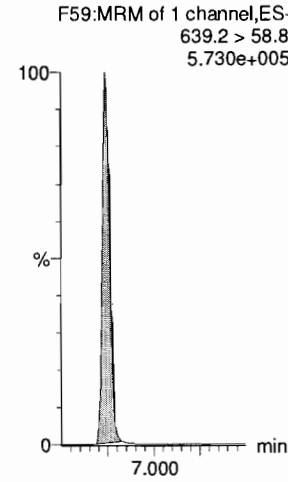
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



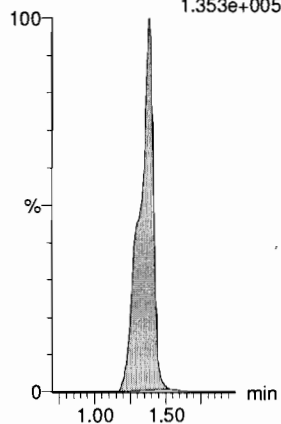
Dataset: F:\Projects\PFAS.PRO\Results\101024M2\181024M2-ICV.qld

Last Altered: Wednesday, October 24, 2018 15:24:01 Pacific Daylight Time
Printed: Wednesday, October 24, 2018 15:24:18 Pacific Daylight Time

Name: 181024M2_13, Date: 24-Oct-2018, Time: 13:15:35, ID: ICV181024M2-1 PFC ICV 18J2201, Description: PFC ICV 18J2201

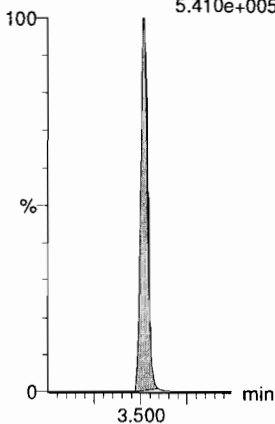
13C4-PFBA

F4:MRM of 1 channel,ES-
217. > 172
1.353e+005



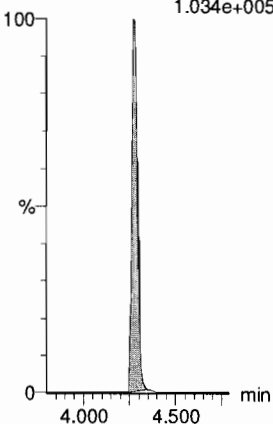
13C5-PFHxA

F11:MRM of 1 channel,ES-
318 > 272.9
5.410e+005



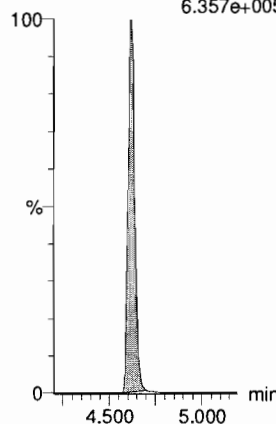
13C3-PFHxS

F19:MRM of 1 channel,ES-
401.8 > 79.9
1.034e+005



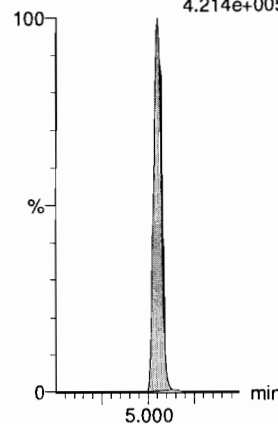
13C8-PFOA

F23:MRM of 1 channel,ES-
420.9 > 376
6.357e+005



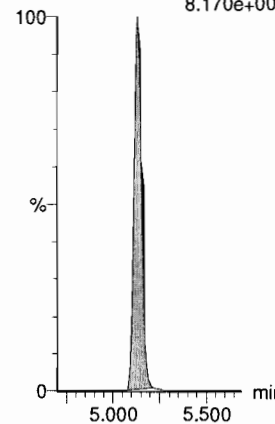
13C9-PFNA

F29:MRM of 1 channel,ES-
472.2 > 426.9
4.214e+005



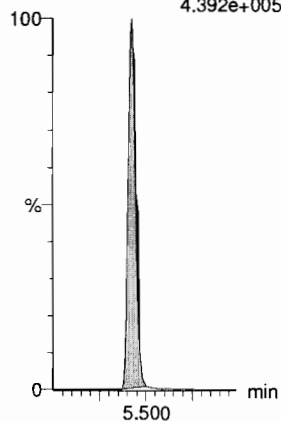
13C4-PFOS

F33:MRM of 1 channel,ES-
503 > 79.9
8.170e+004



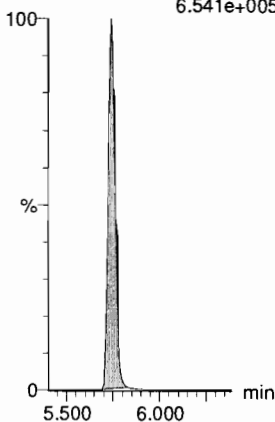
13C6-PFDA

F40:MRM of 1 channel,ES-
519.1 > 473.7
4.392e+005



13C7-PFUdA

F49:MRM of 1 channel,ES-
570.1 > 524.8
6.541e+005



Dataset: Untitled

Last Altered: Wednesday, October 24, 2018 15:39:55 Pacific Daylight Time

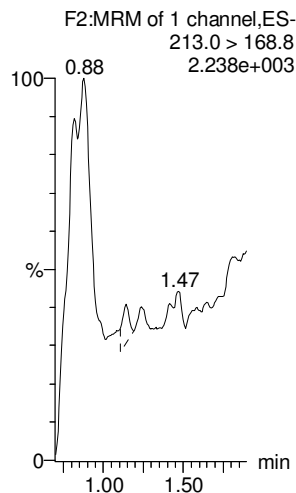
Printed: Wednesday, October 24, 2018 15:40:19 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_102418.mdb 24 Oct 2018 14:44:31

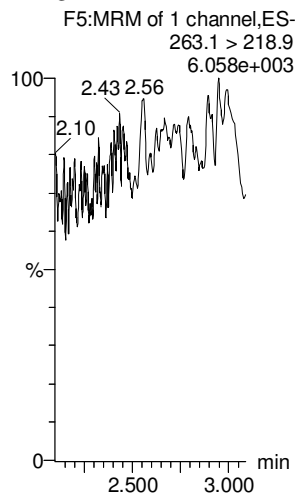
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_10-24-18.cdb 24 Oct 2018 15:13:20

Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

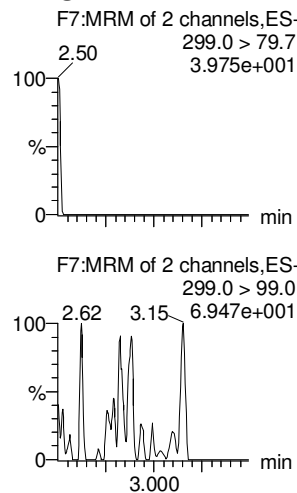
PFBA



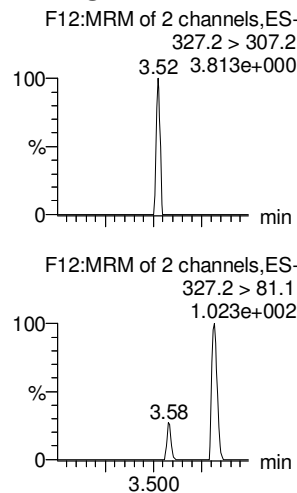
PFPeA



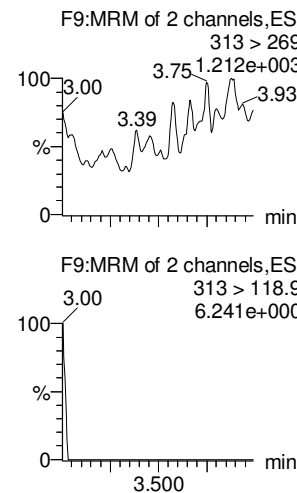
PFBS



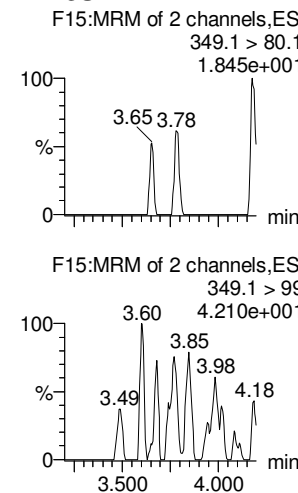
4:2 FTS



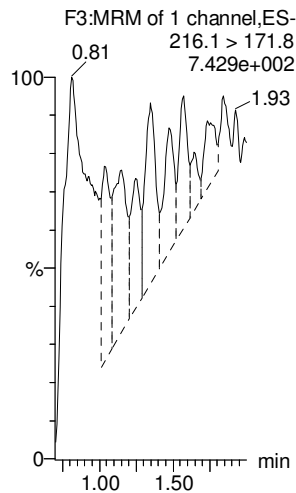
PFHxA



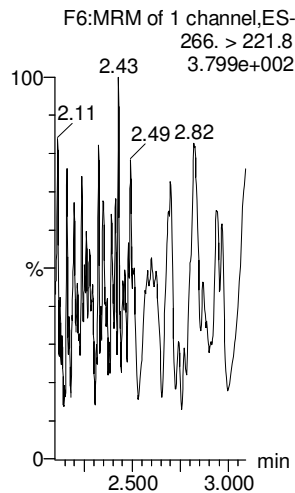
PFPeS



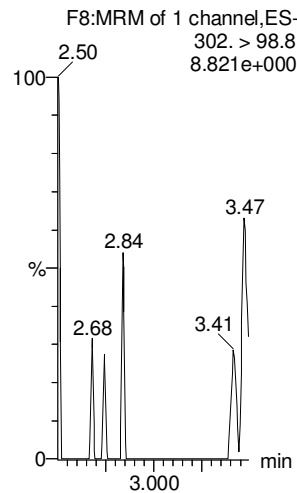
13C3-PFBA



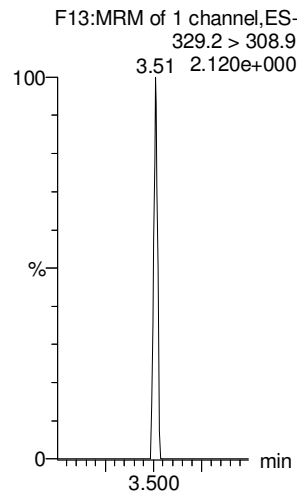
13C3-PFPeA



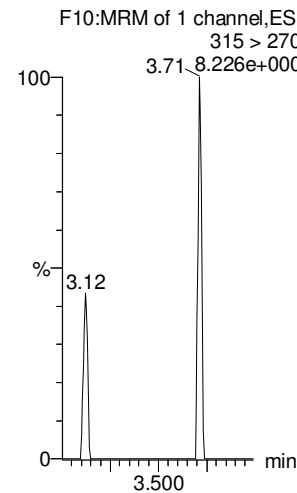
13C3-PFBS



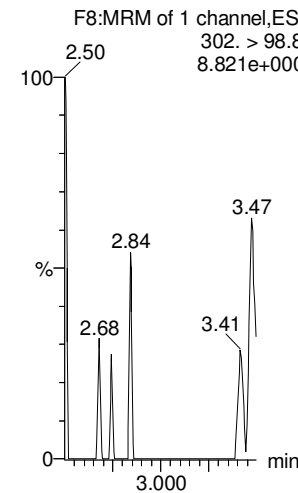
13C2-4:2 FTS



13C2-PFHxA



13C3-PFBS



Dataset: Untitled

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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

6:2 FTS

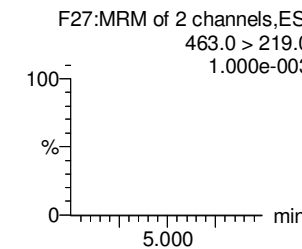
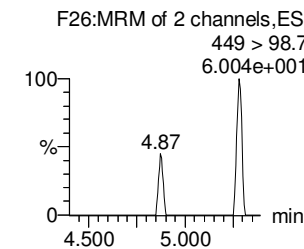
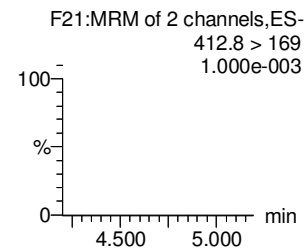
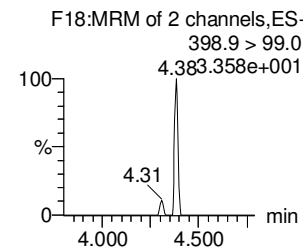
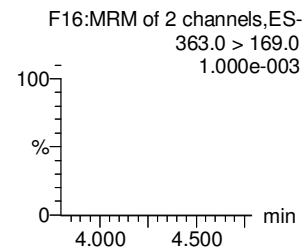
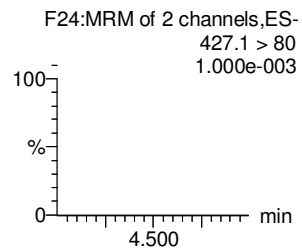
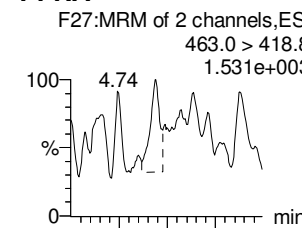
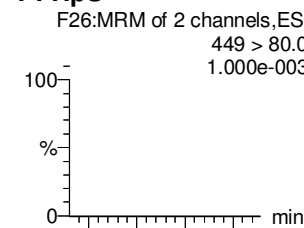
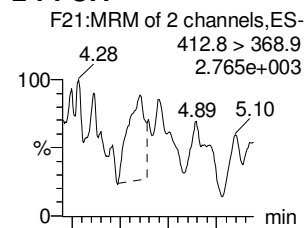
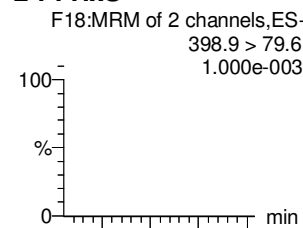
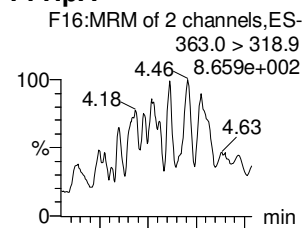
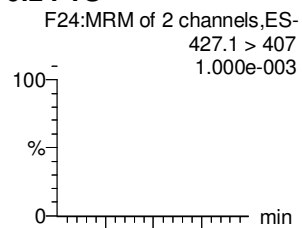
PFHpA

L-PFHxS

L-PFOA

PFHpS

PFNA



13C2-6:2 FTS

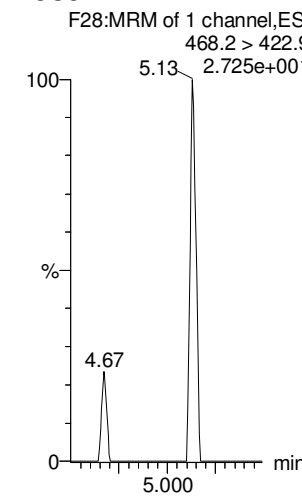
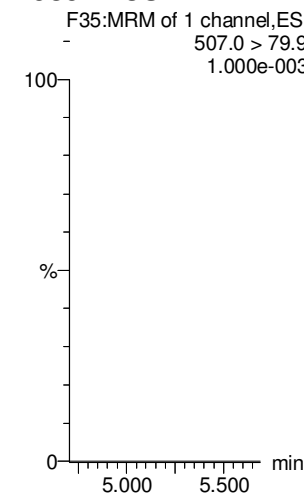
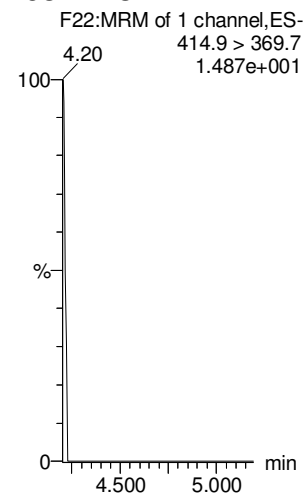
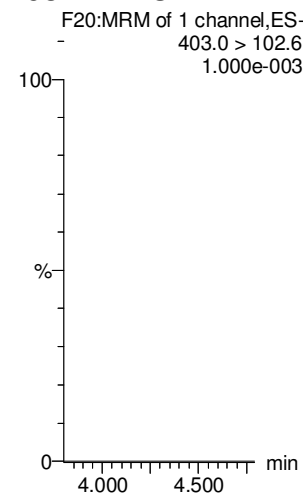
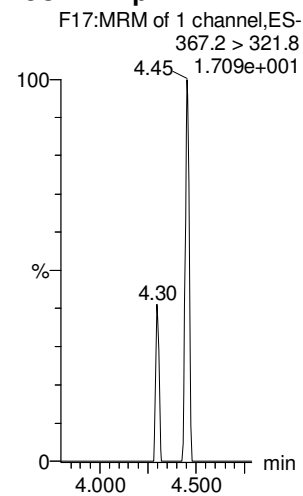
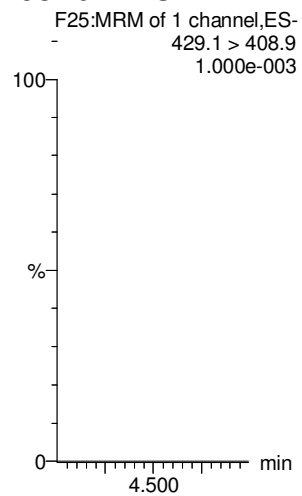
13C4-PFHpA

18O2-PFHxS

13C2-PFOA

13C8-PFOS

13C5-PFNA



Dataset: Untitled

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PFOSA

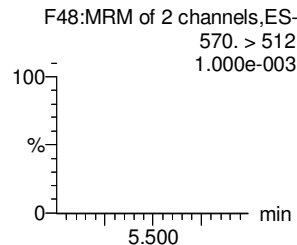
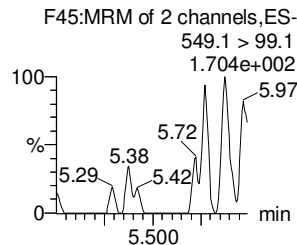
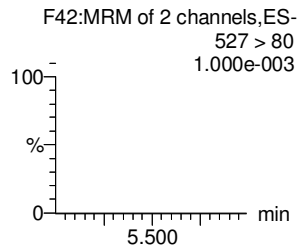
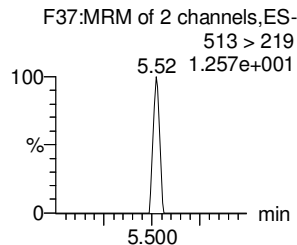
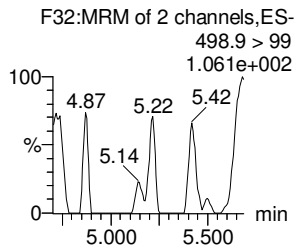
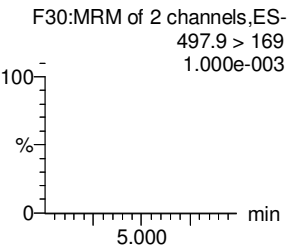
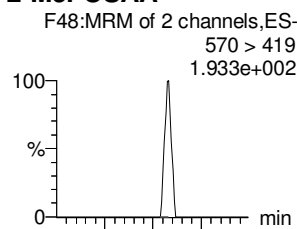
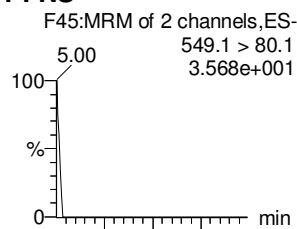
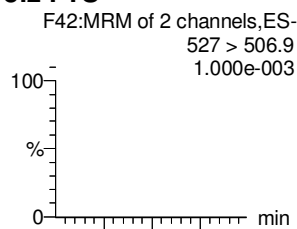
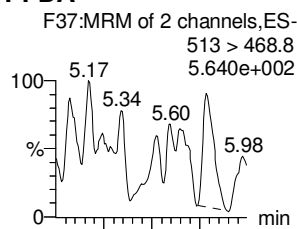
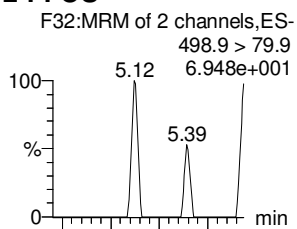
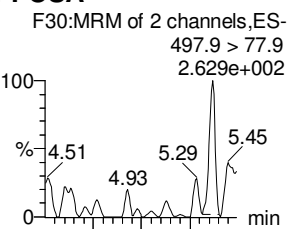
L-PFOS

PFDA

8:2 FTS

PFNS

L-MeFOSAA



13C8-PFOSA

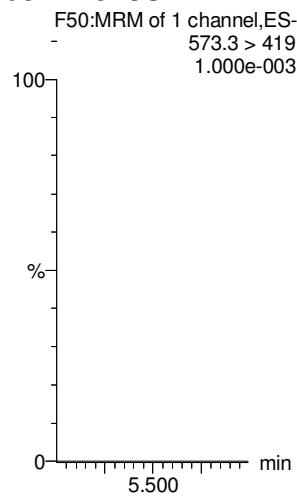
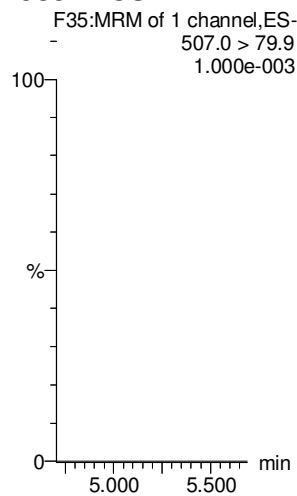
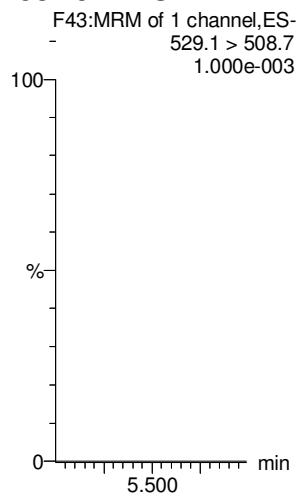
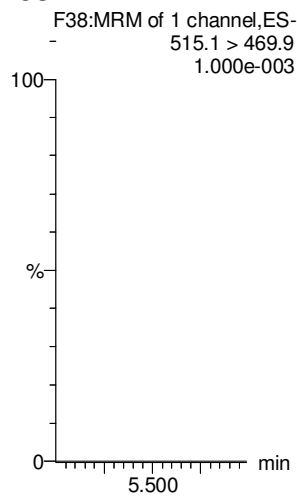
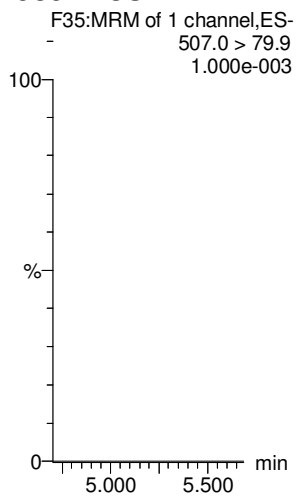
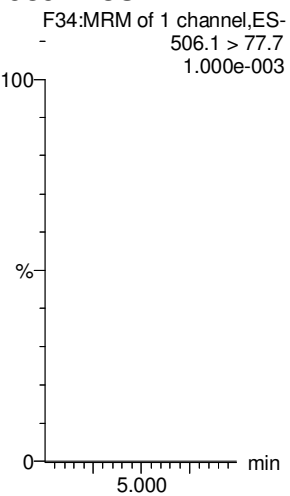
13C8-PFOS

13C2-PFDA

13C2-8:2 FTS

13C8-PFOS

d3-N-MeFOSAA



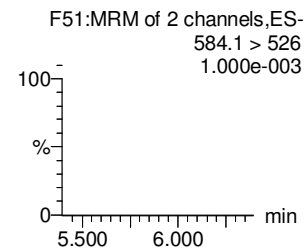
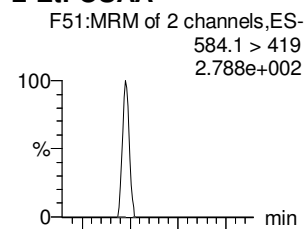
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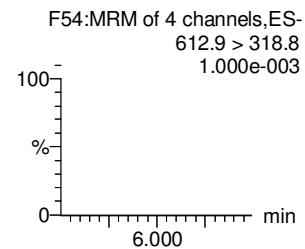
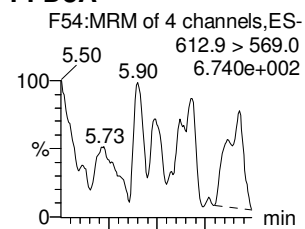
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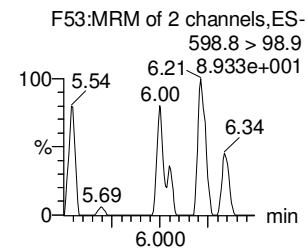
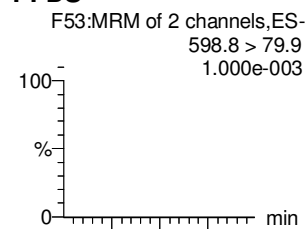
L-EtFOSAA



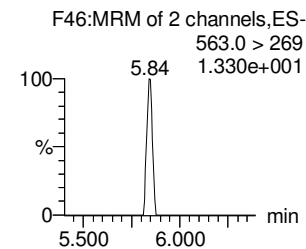
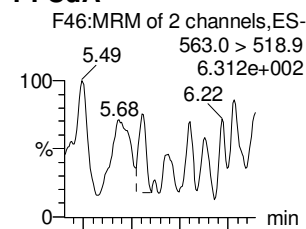
PFDoA



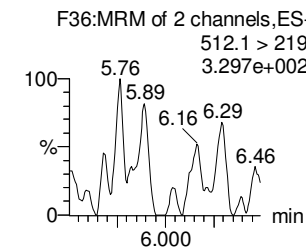
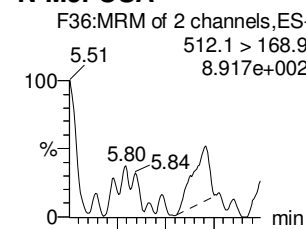
PFDS



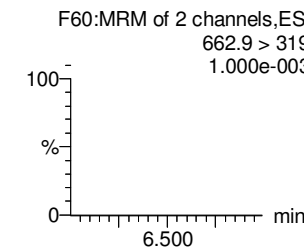
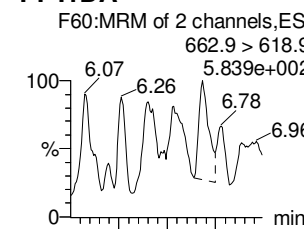
PFUdA



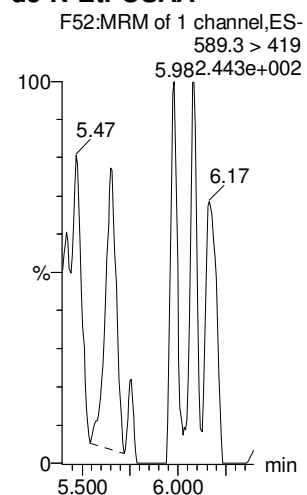
N-MeFOSA



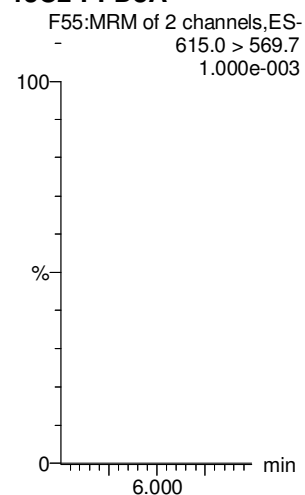
PFTrDA



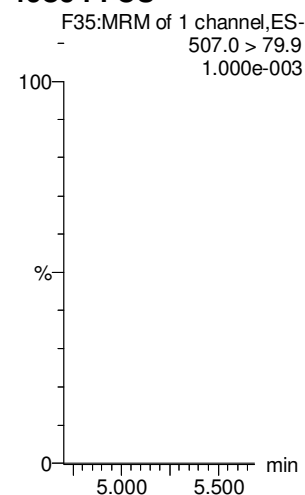
d5-N-EtFOSAA



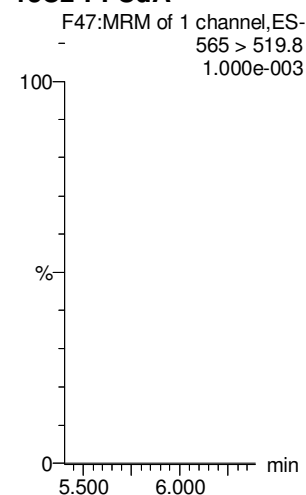
13C2-PFDoA



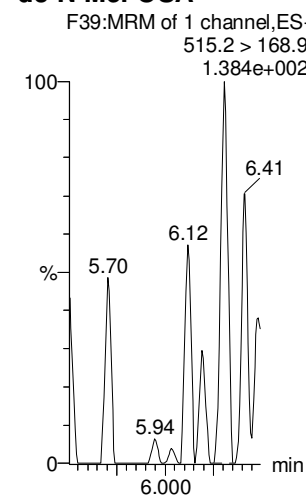
13C8-PFOS



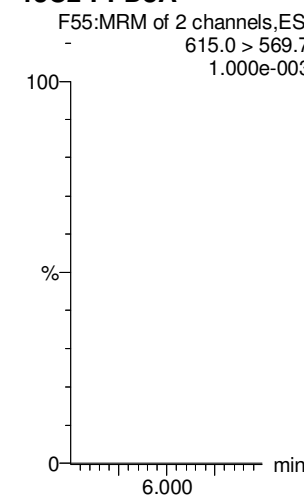
13C2-PFUdA



d3-N-MeFOSA



13C2-PFDoA



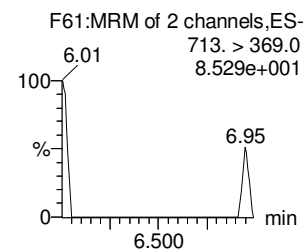
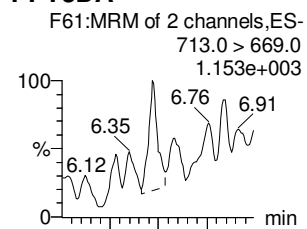
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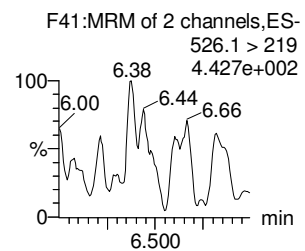
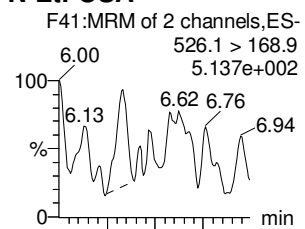
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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

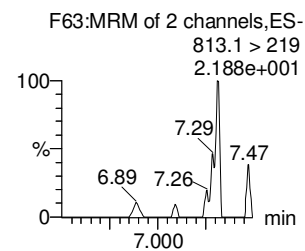
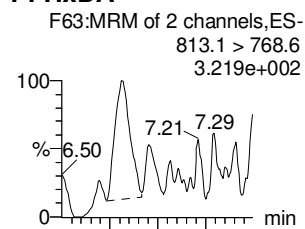
PFTeDA



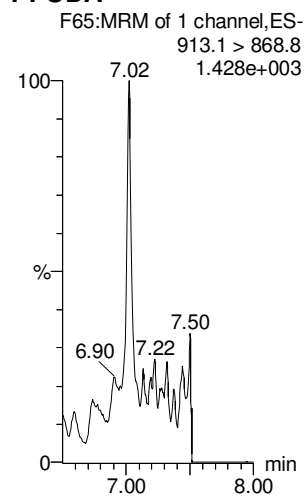
N-EtFOSA



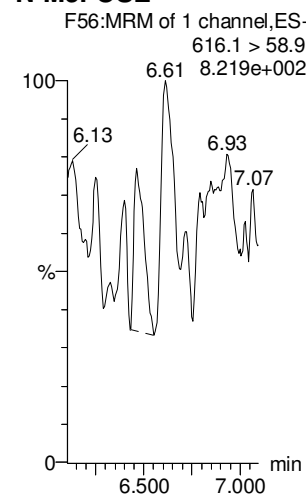
PFHxDA



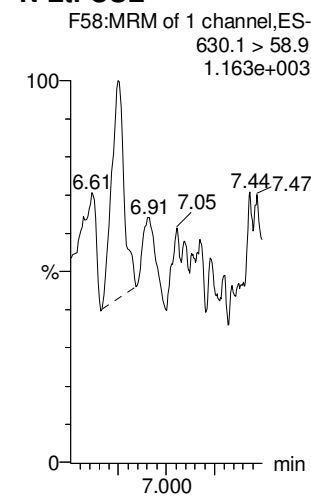
PFODA



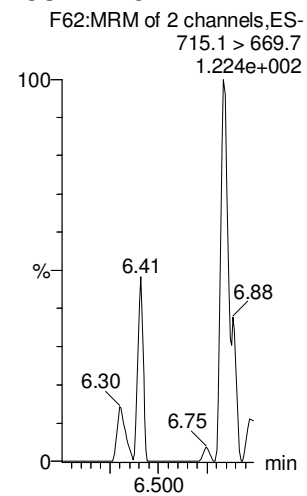
N-MeFOSE



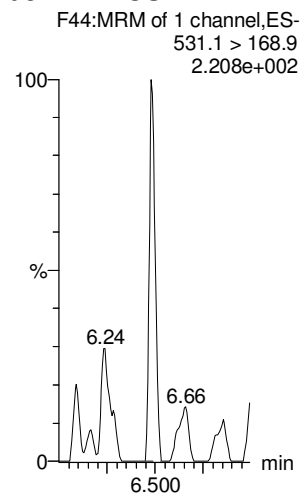
N-EtFOSE



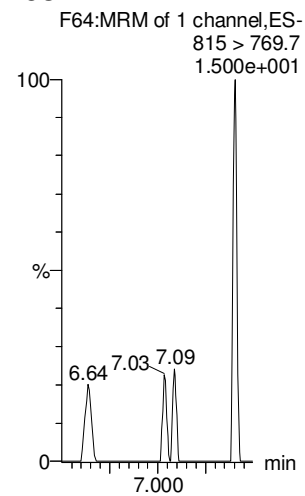
13C2-PFTeDA



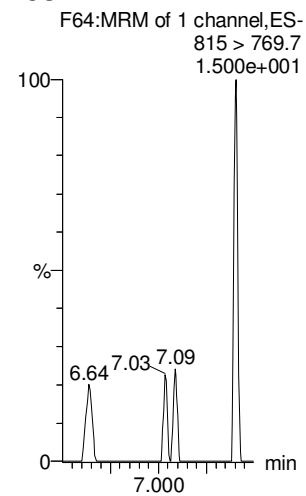
d5-N-ETFOSA



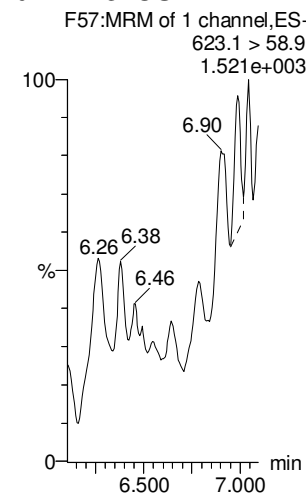
13C2-PFHxDA



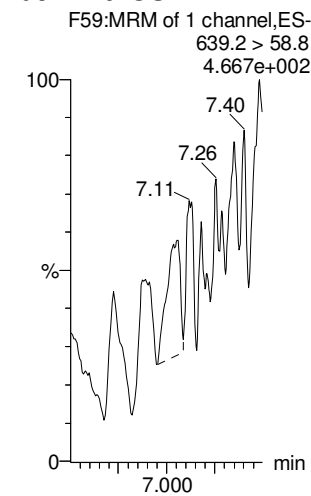
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



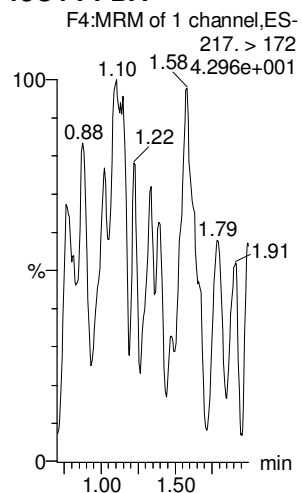
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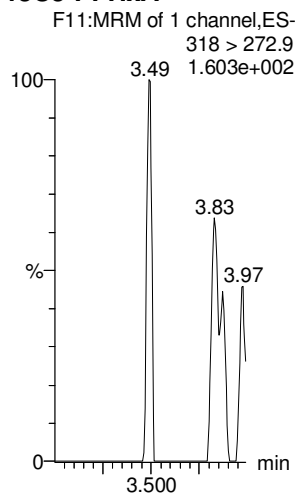
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Name: 181024M2_12, Date: 24-Oct-2018, Time: 13:04:56, ID: IPA, Description: IPA

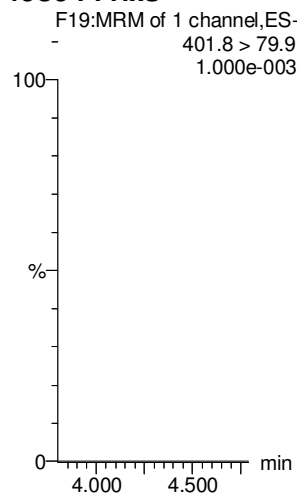
13C4-PFBA



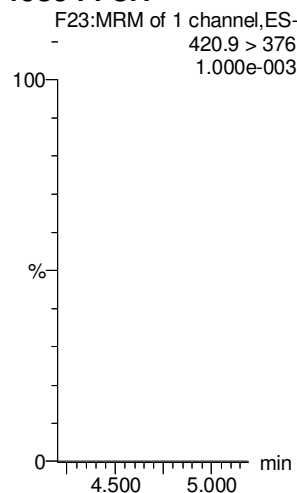
13C5-PFHxA



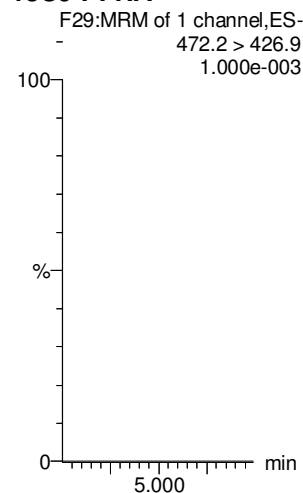
13C3-PFHxS



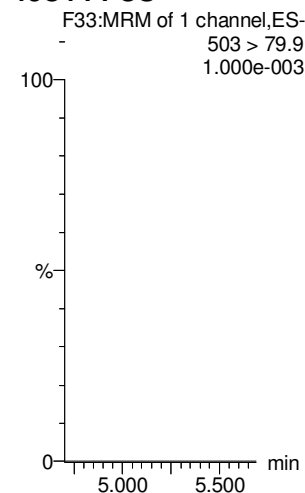
13C8-PFOA



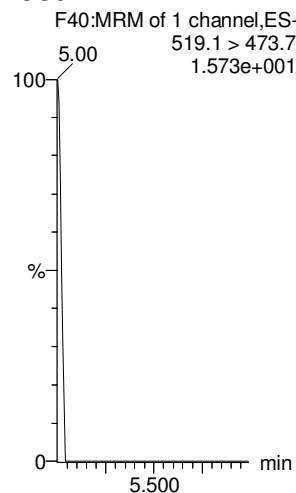
13C9-PFNA



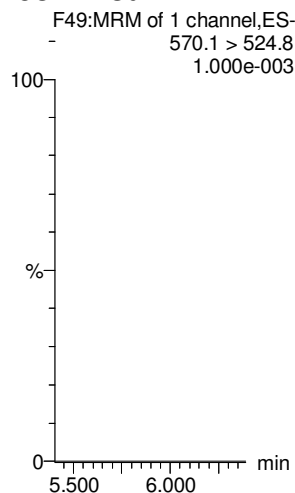
13C4-PFOS



13C6-PFDA



13C7-PFUdA



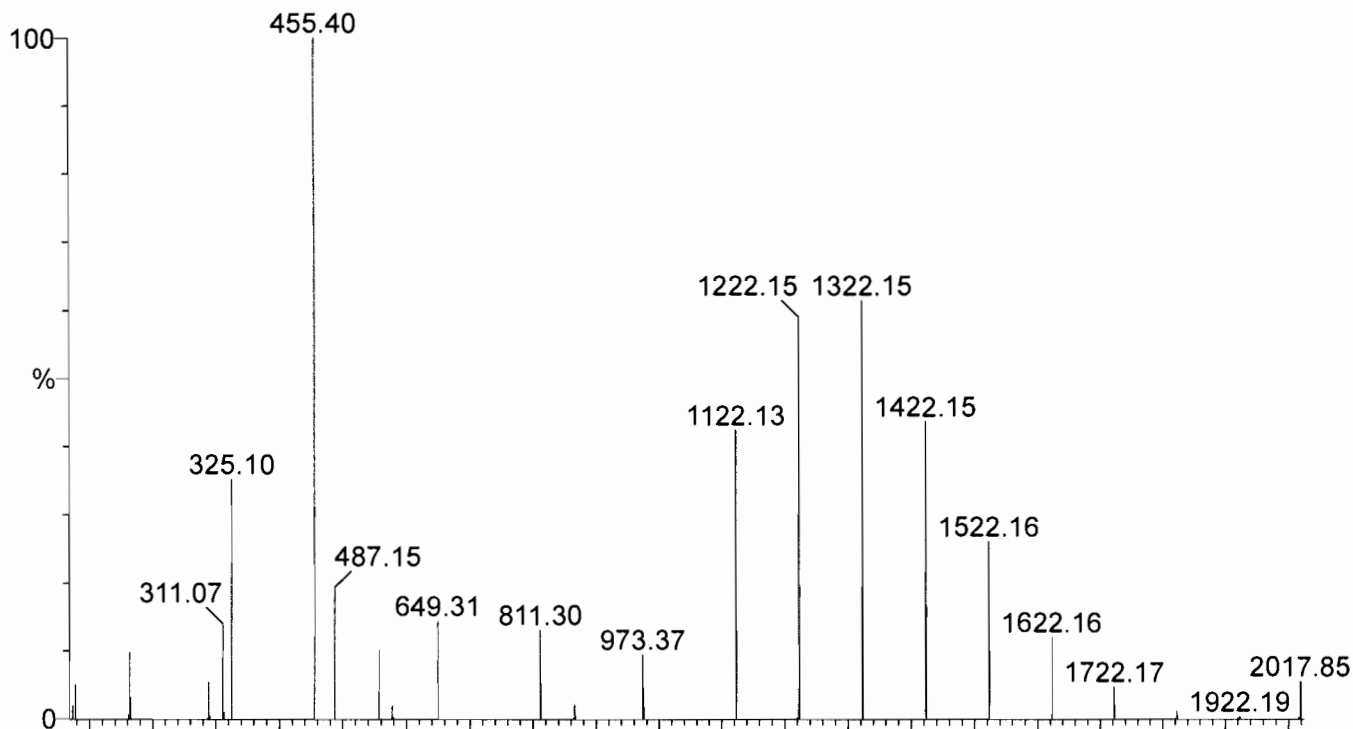
TUNE CHECKS

Tunecheck Q4 (M) 10-2⁴-18 AD 10/24/18

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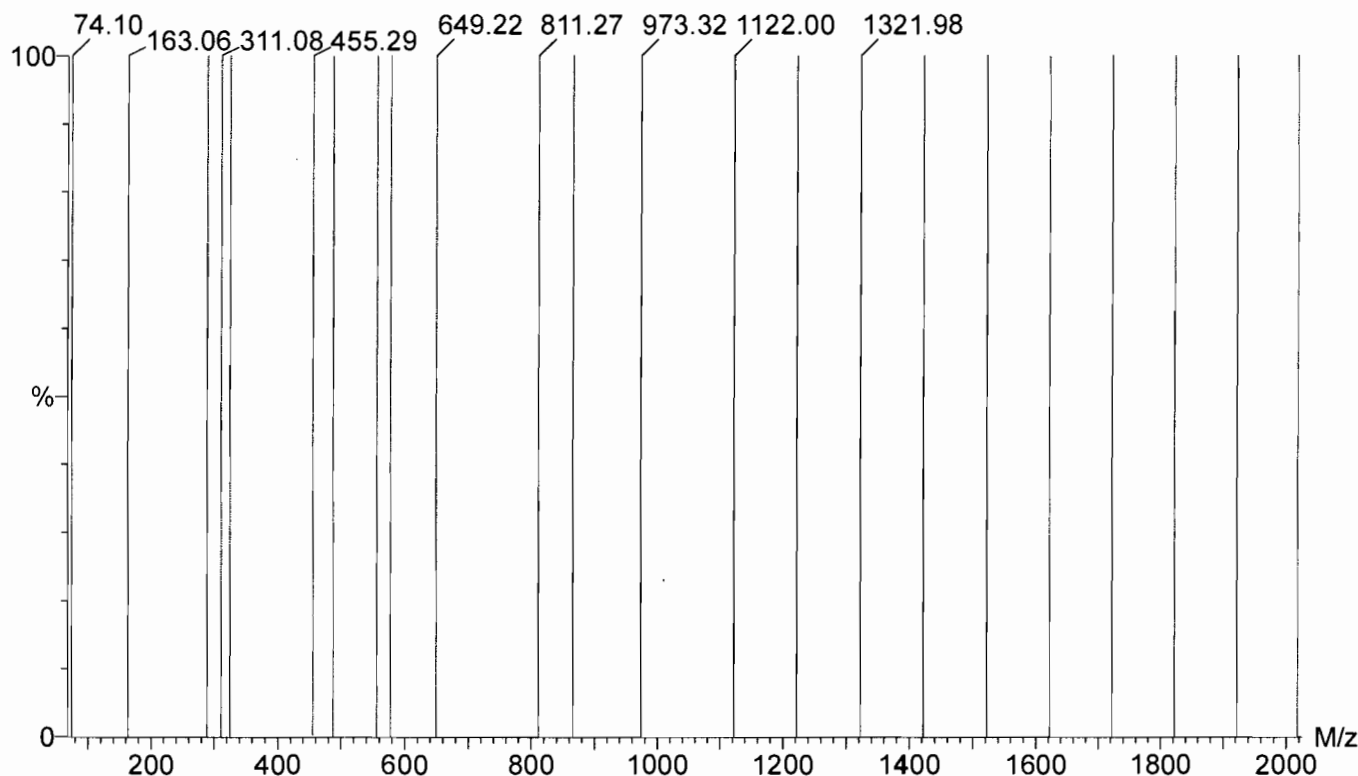
Data file: STATMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

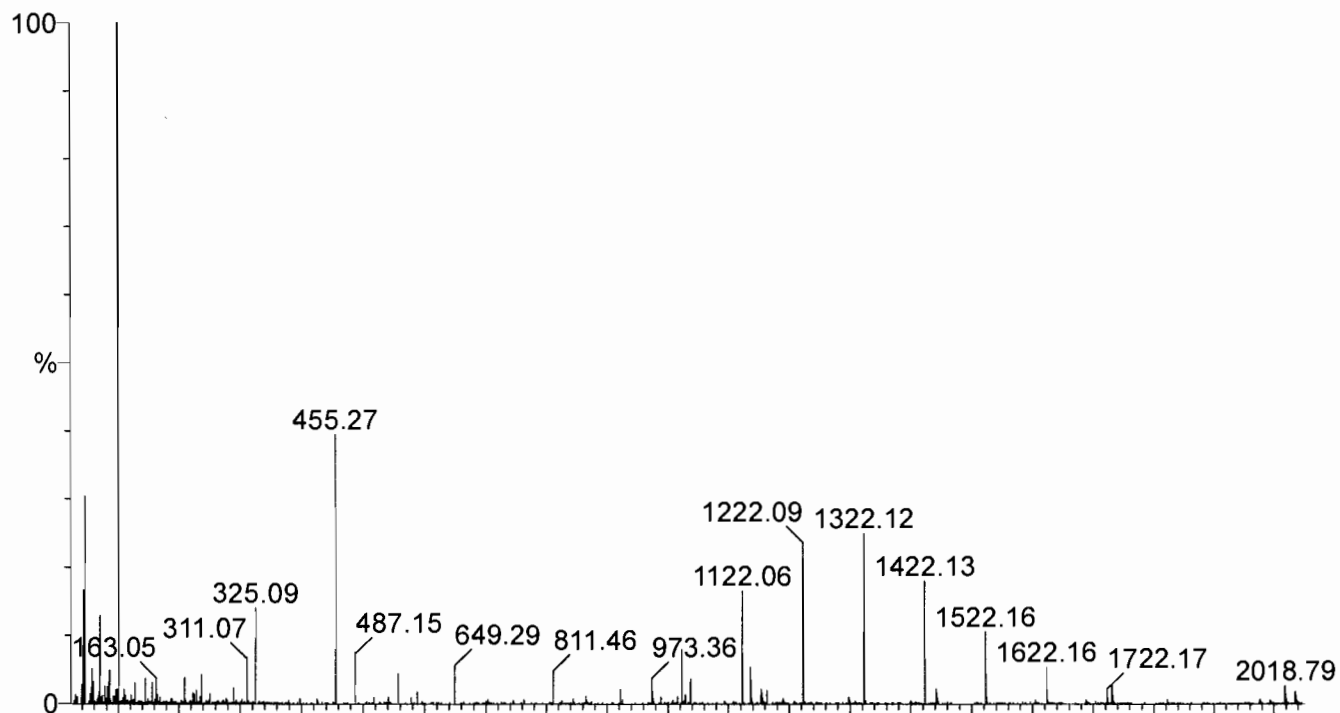
Mean residual = 0.111 amu



Printed: Wed Oct 24 08:49:08 2018

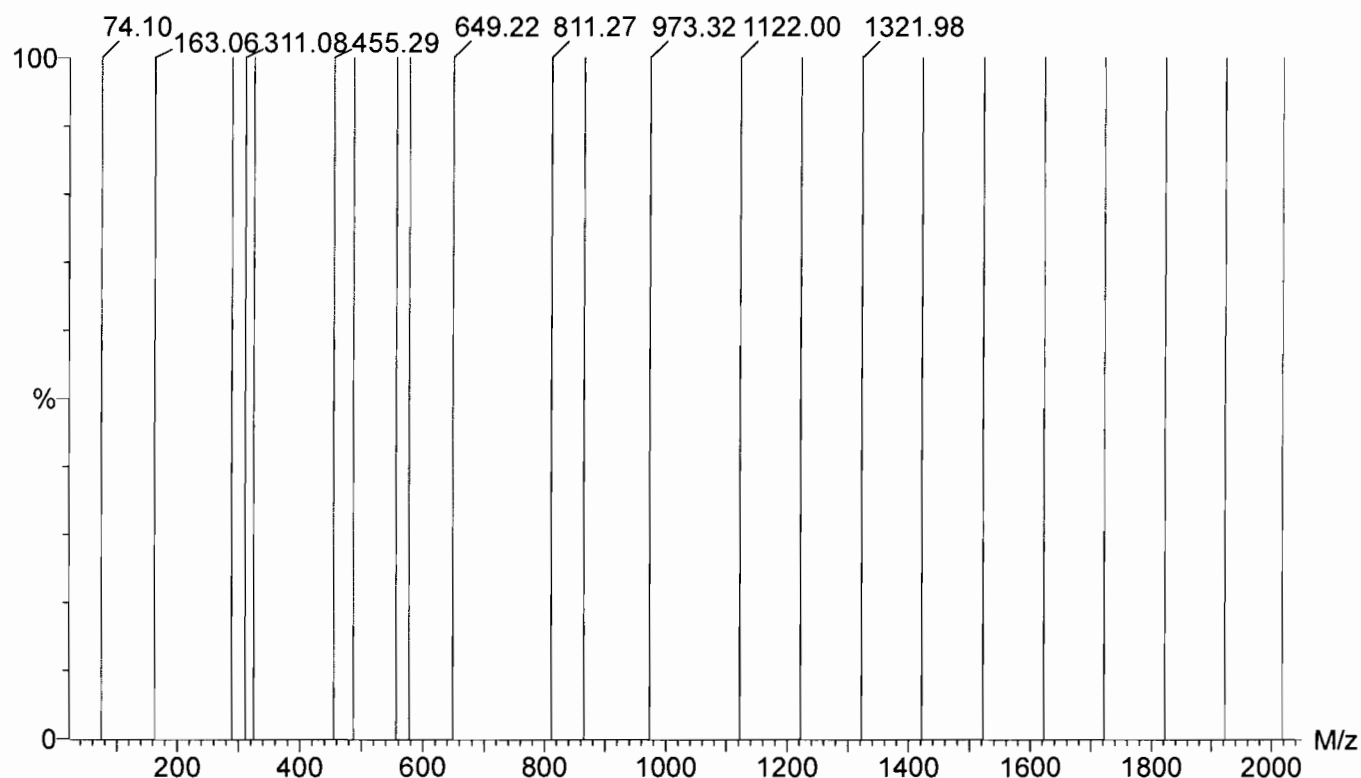
Data file: SCNMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

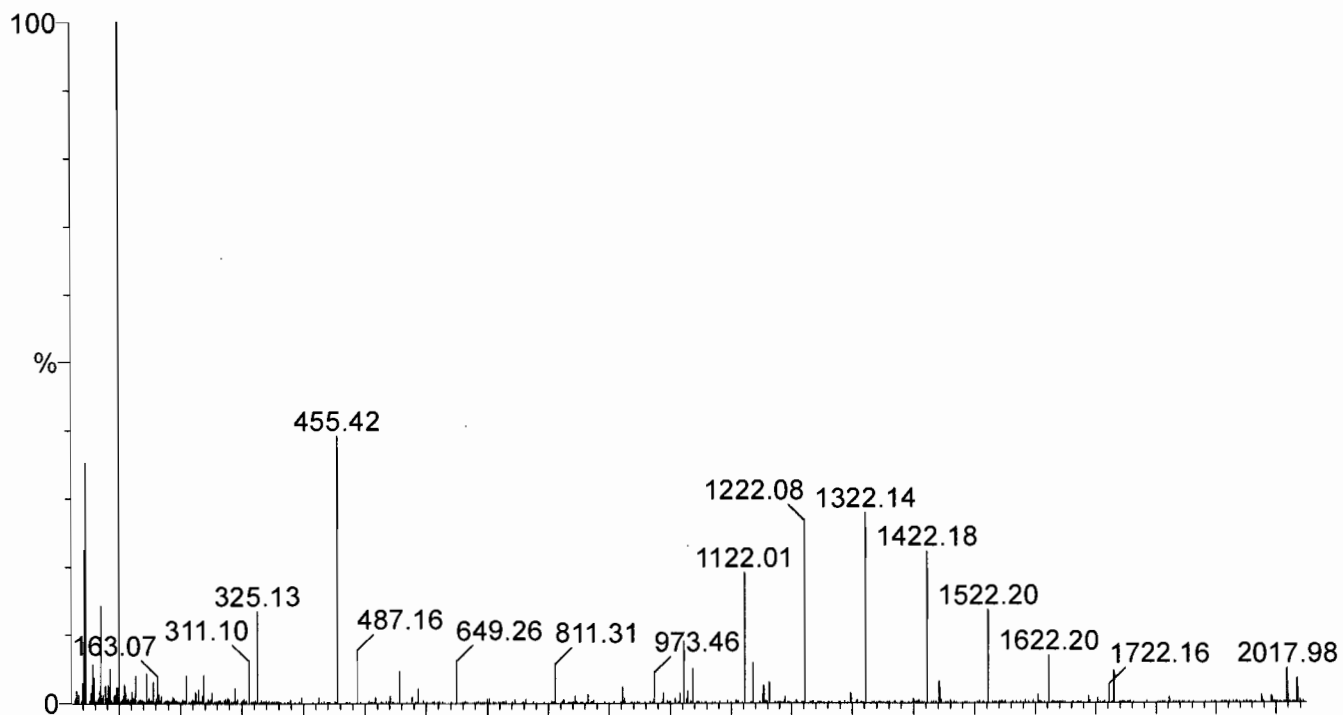
Mean residual = 0.141 amu



Printed: Wed Oct 24 08:50:19 2018

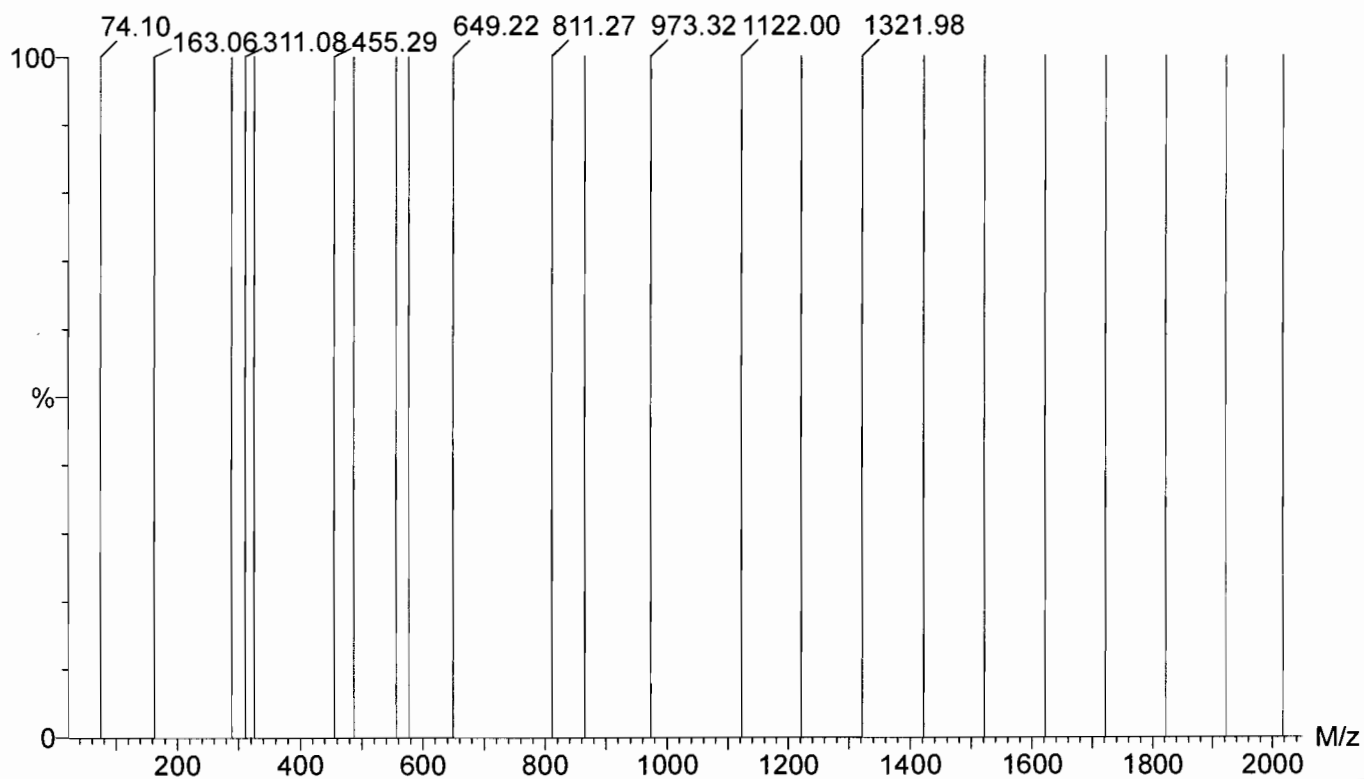
Data file: FASTMS1V - Calibrated

22 matches of 23 tested references



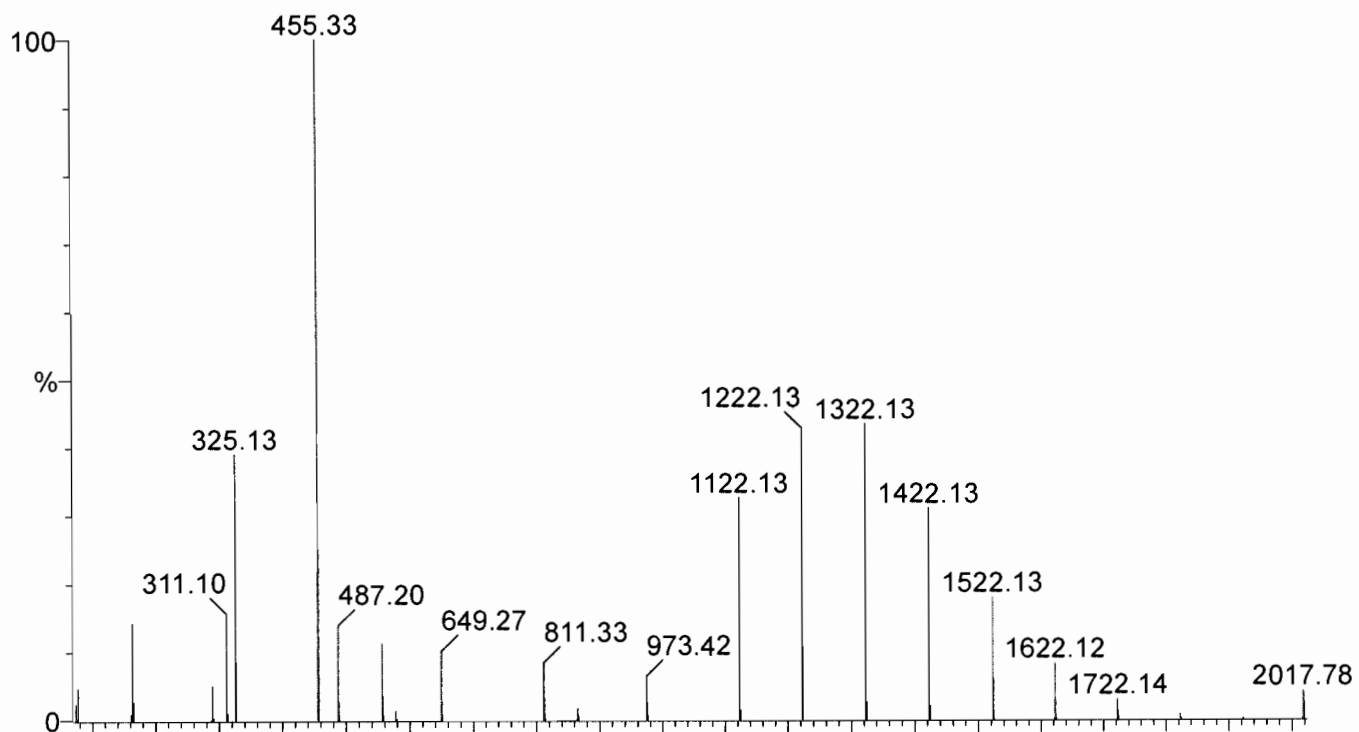
Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.0993 amu



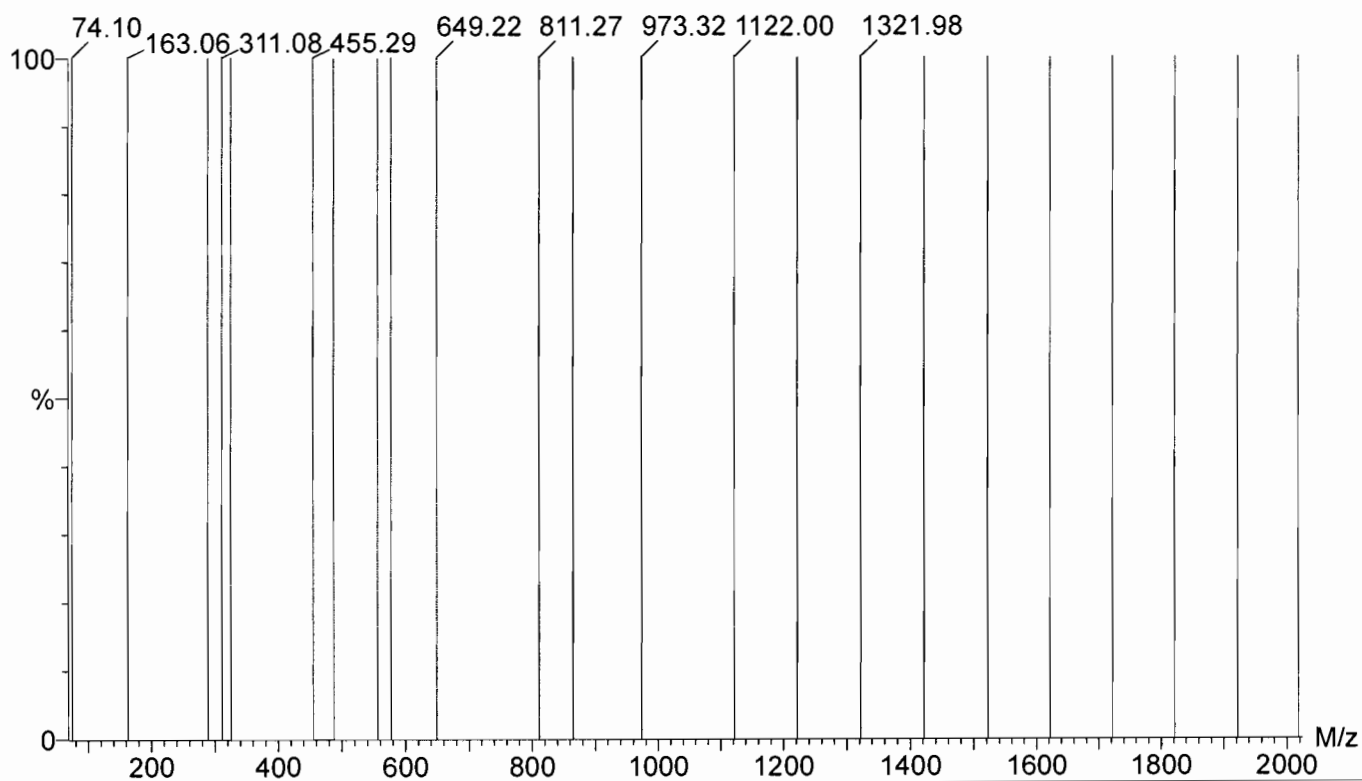
Printed: Wed Oct 24 08:51:27 2018

Data file: STATMS2V - Calibrated 23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

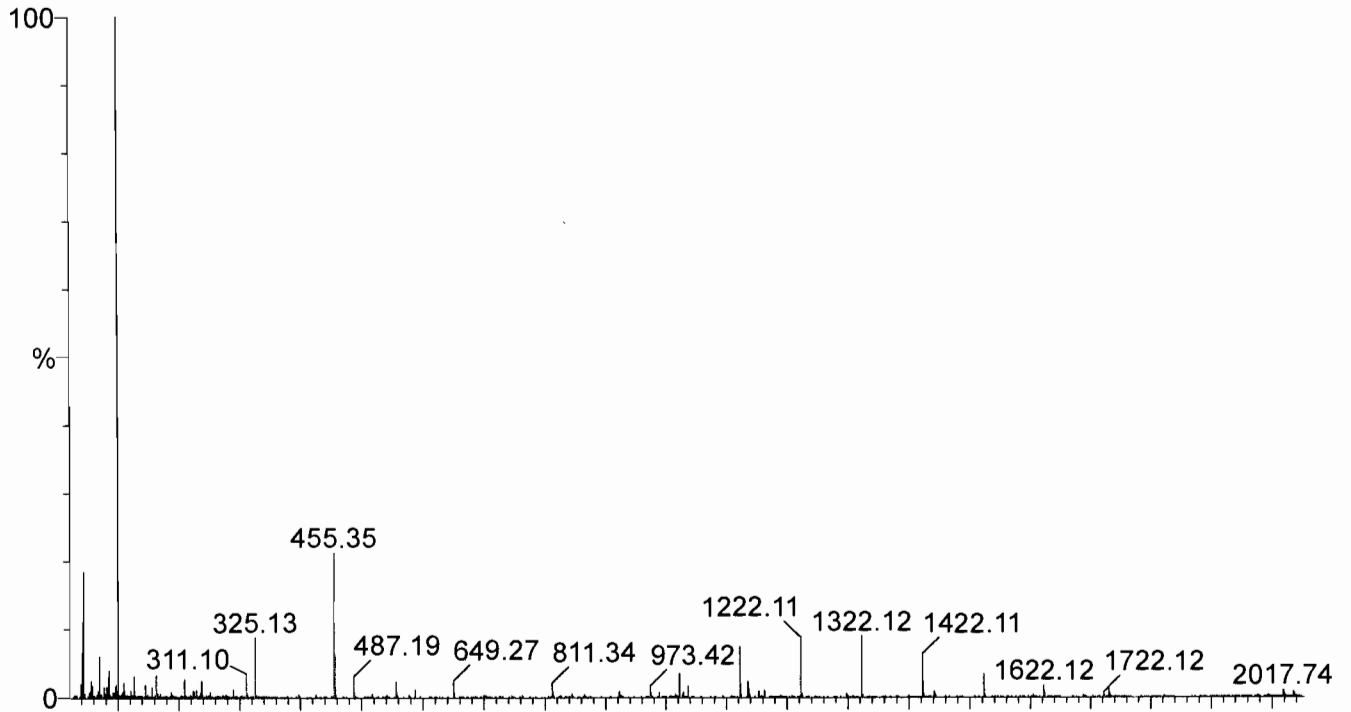
Mean residual = 0.0927 amu



Printed: Wed Oct 24 08:52:36 2018

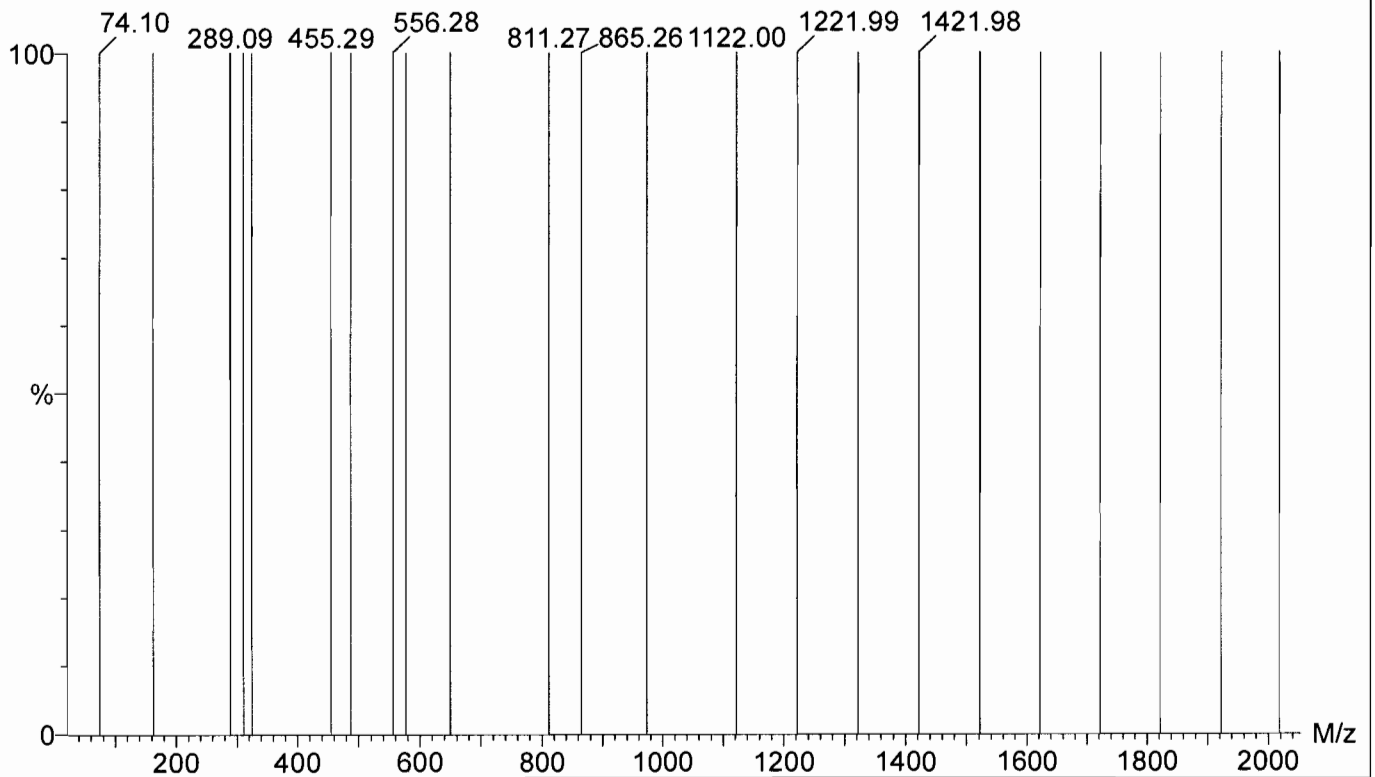
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

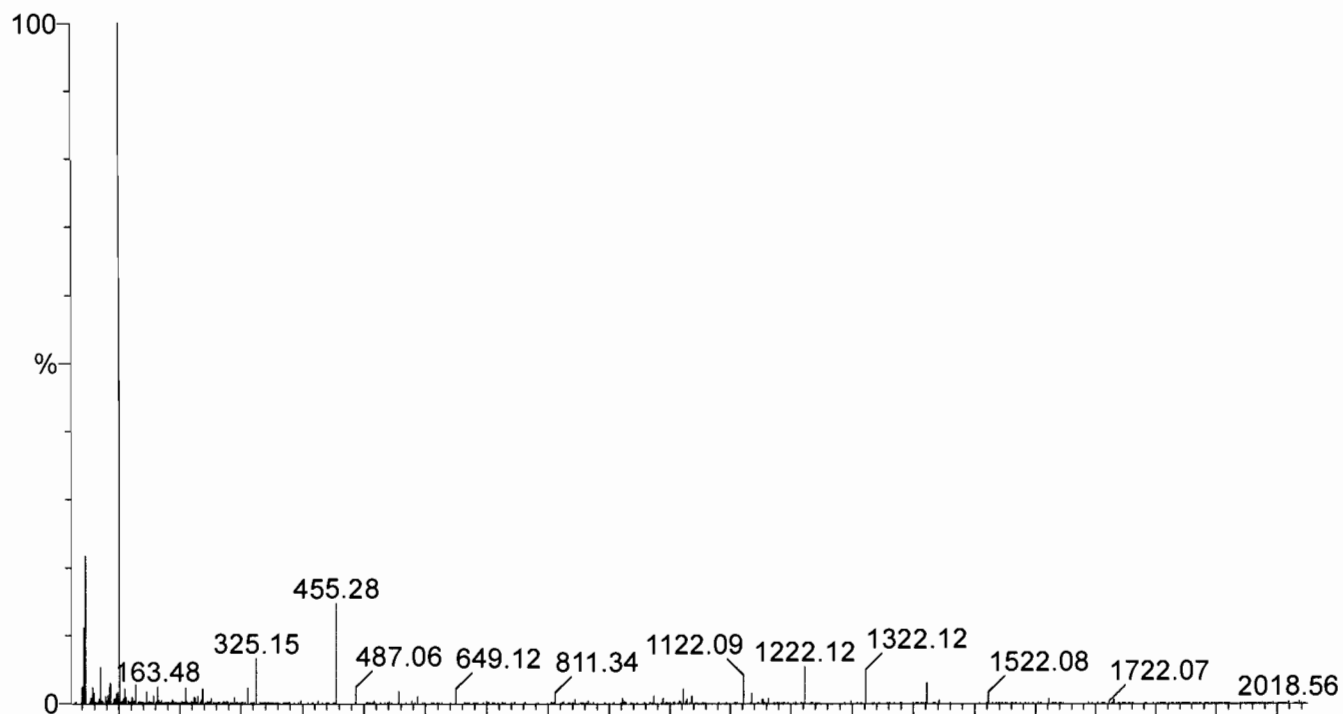
Mean residual = 0.0838 amu



Printed: Wed Oct 24 08:54:01 2018

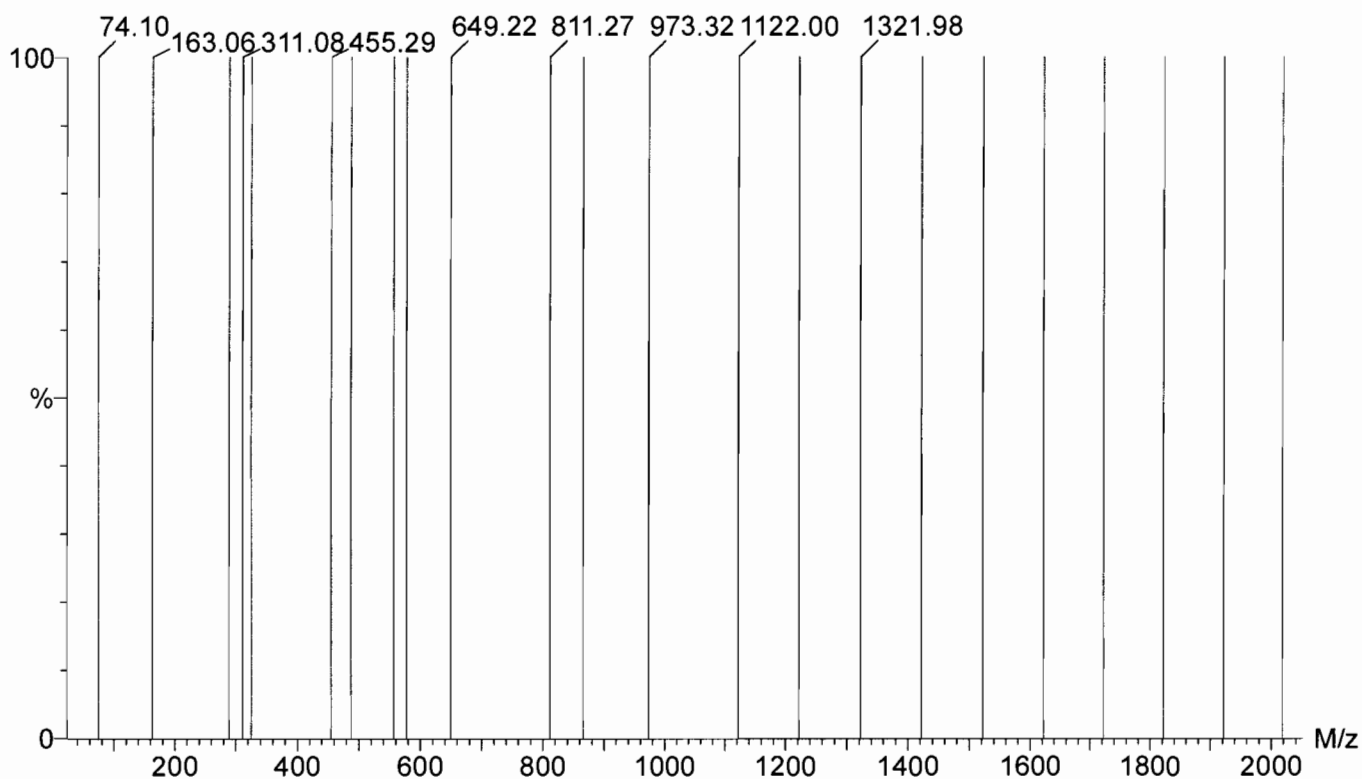
Data file: FASTMS2V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.149 amu



Tunecheck Q4 (M) 10-25-18

Calibration Verification Report - MS1 Static

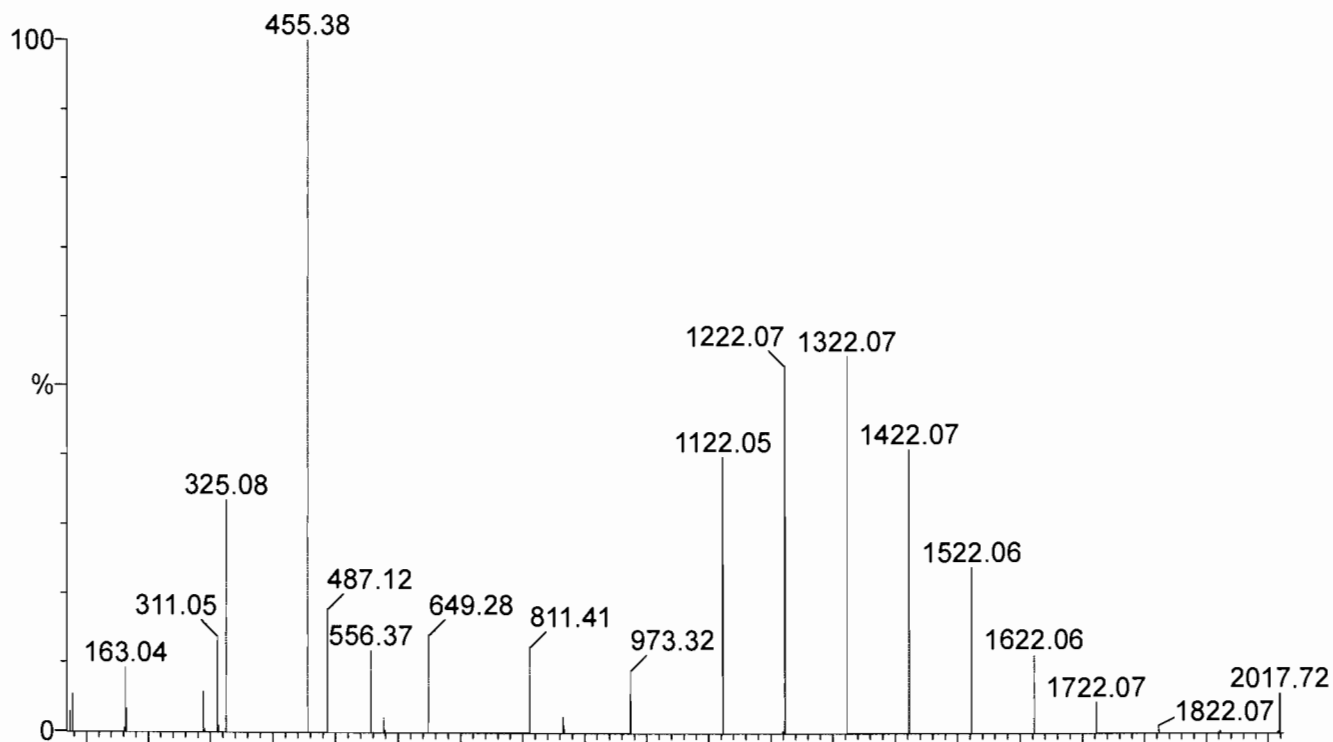
20181023-1

Page 1 of 6

Printed: Thu Oct 25 08:33:52 2018

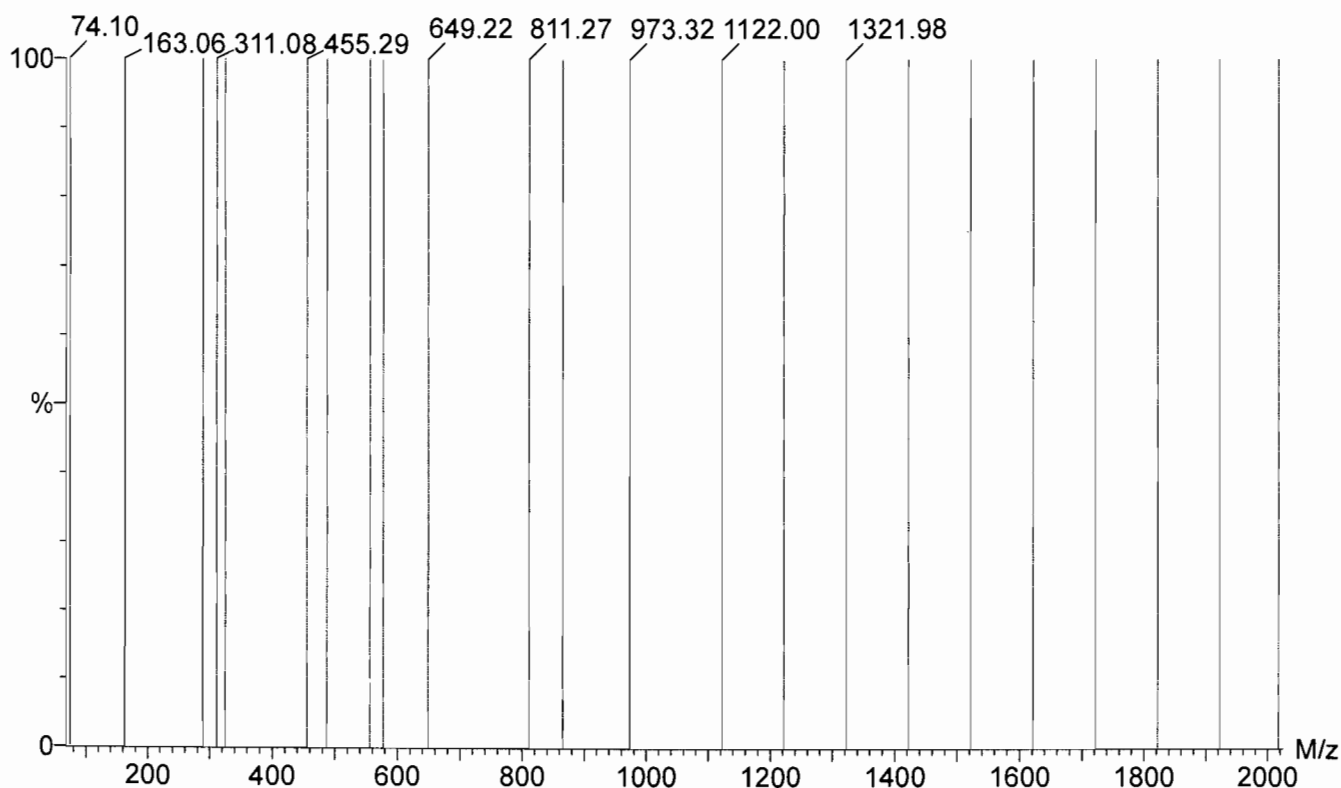
Data file: STATMS1V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

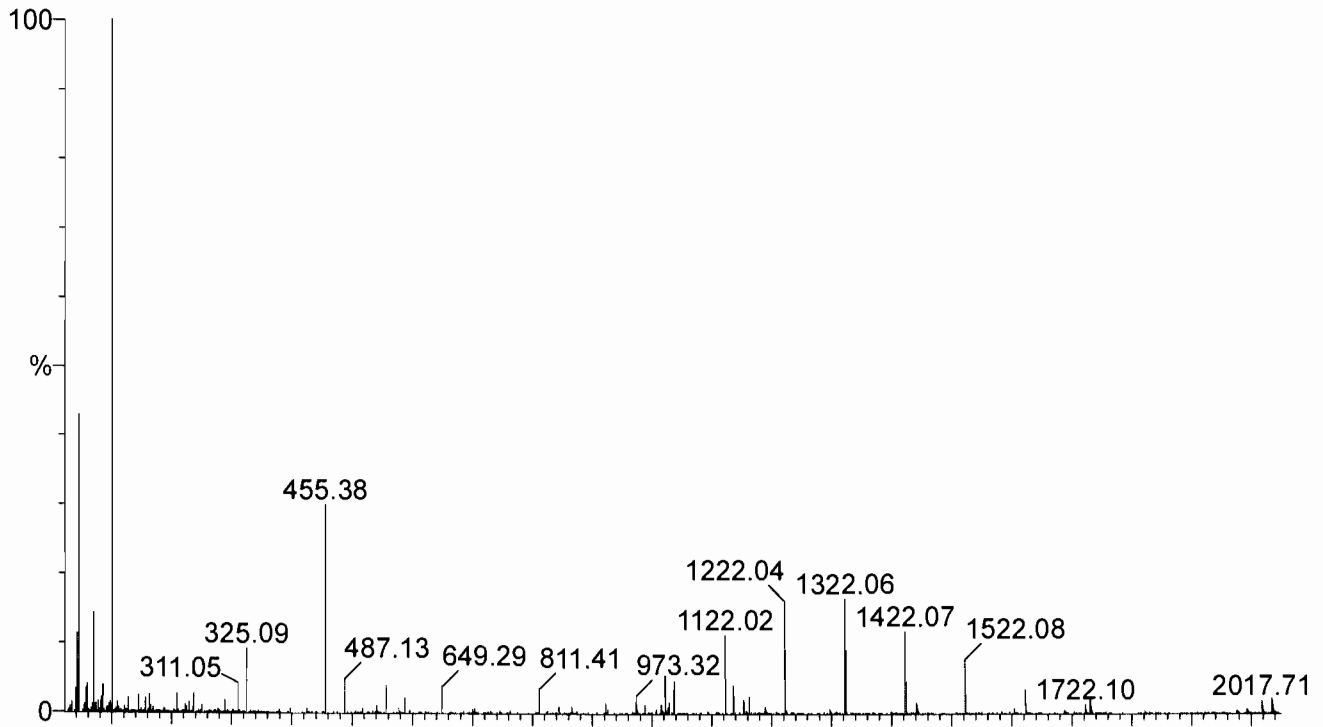
Mean residual = 0.0735 amu



Printed: Thu Oct 25 08:35:01 2018

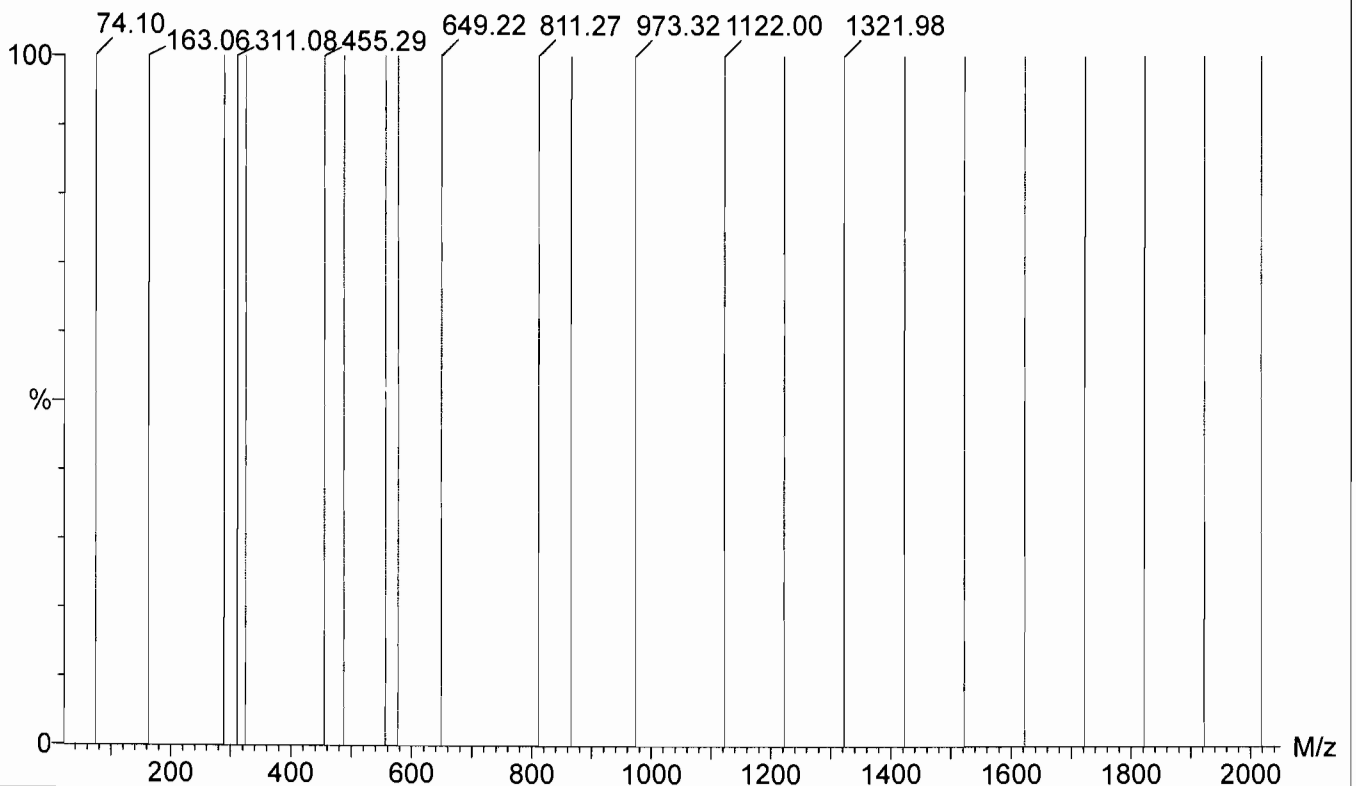
Data file: SCNMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

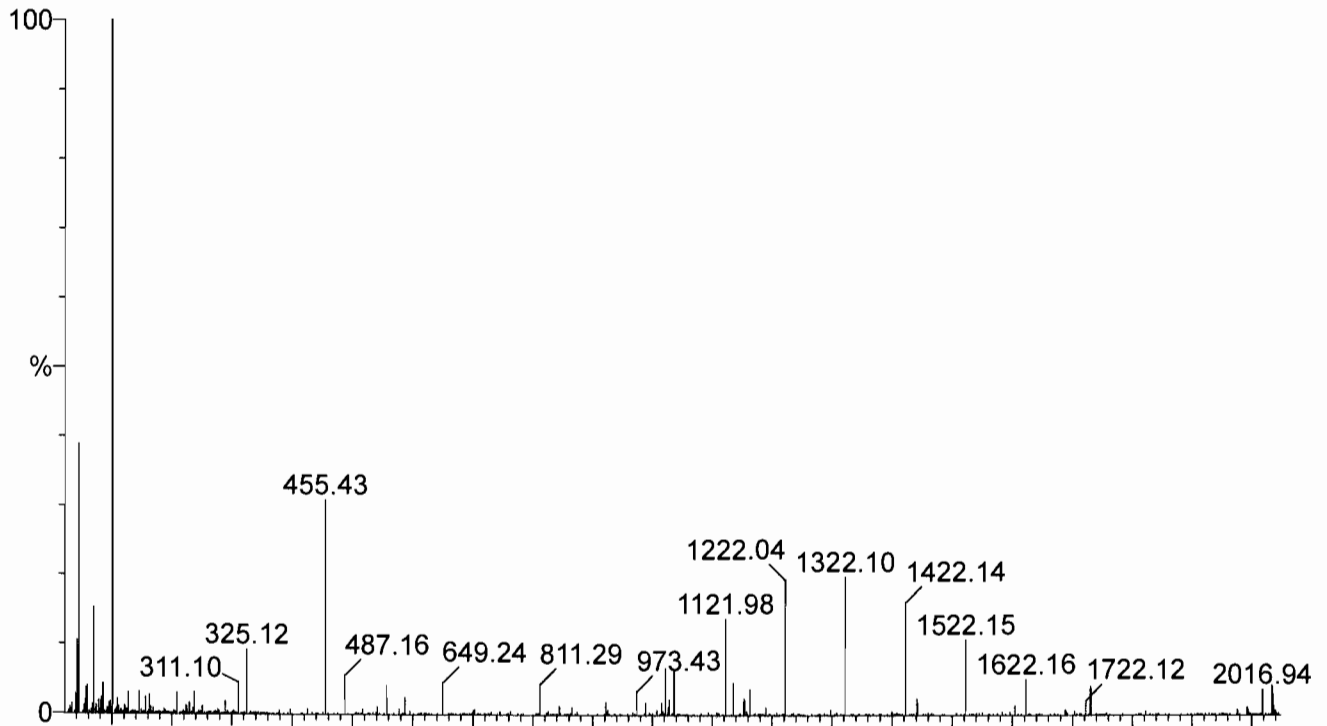
Mean residual = 0.0675 amu



Printed: Thu Oct 25 08:36:12 2018

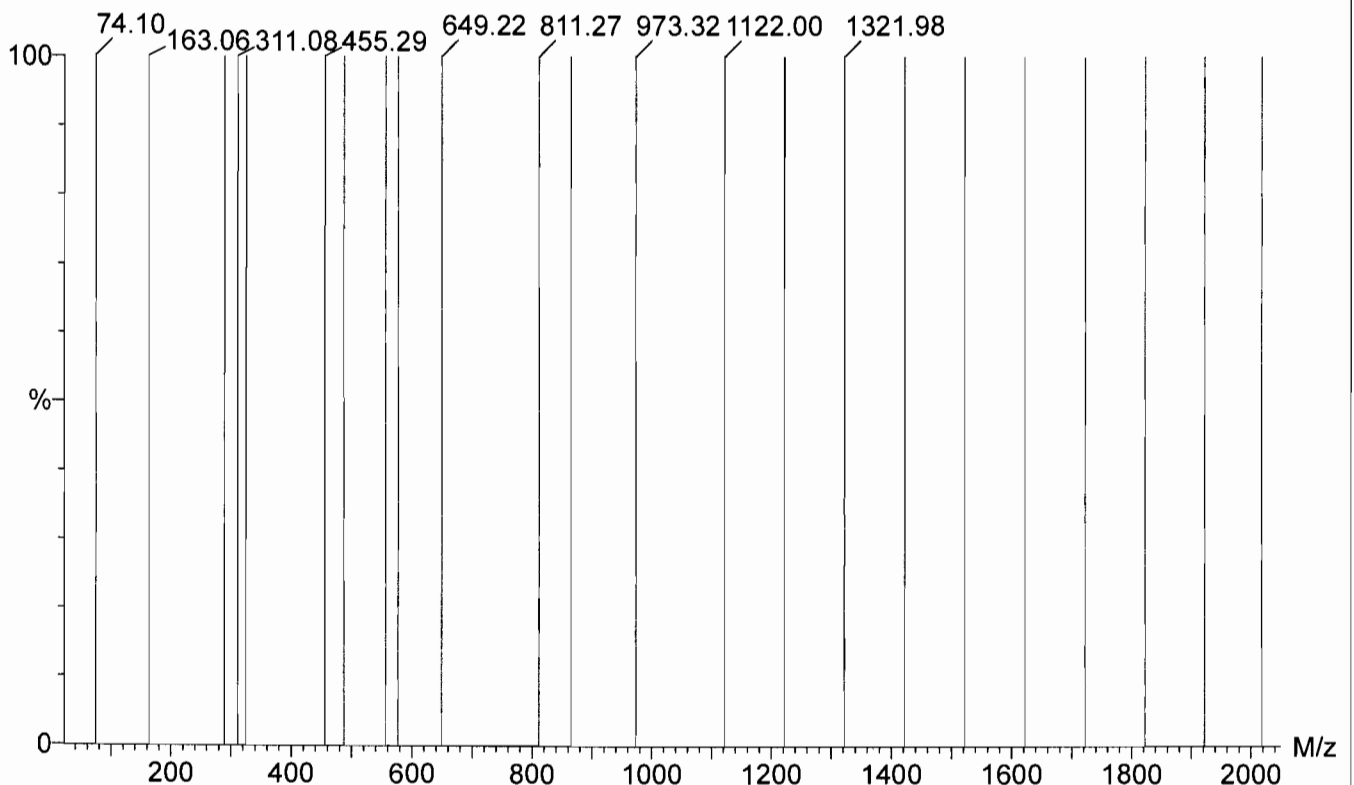
Data file: FASTMS1V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

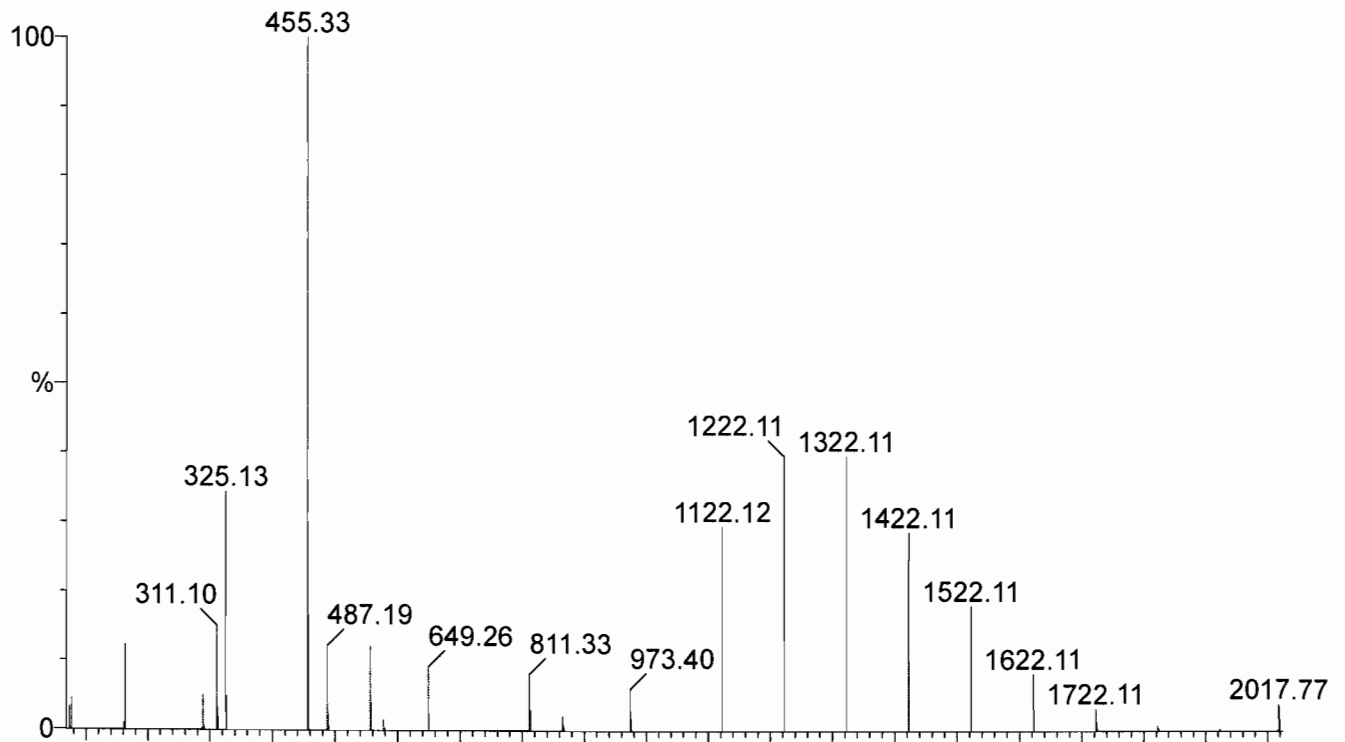
Mean residual = 0.0944 amu



Printed: Thu Oct 25 08:37:20 2018

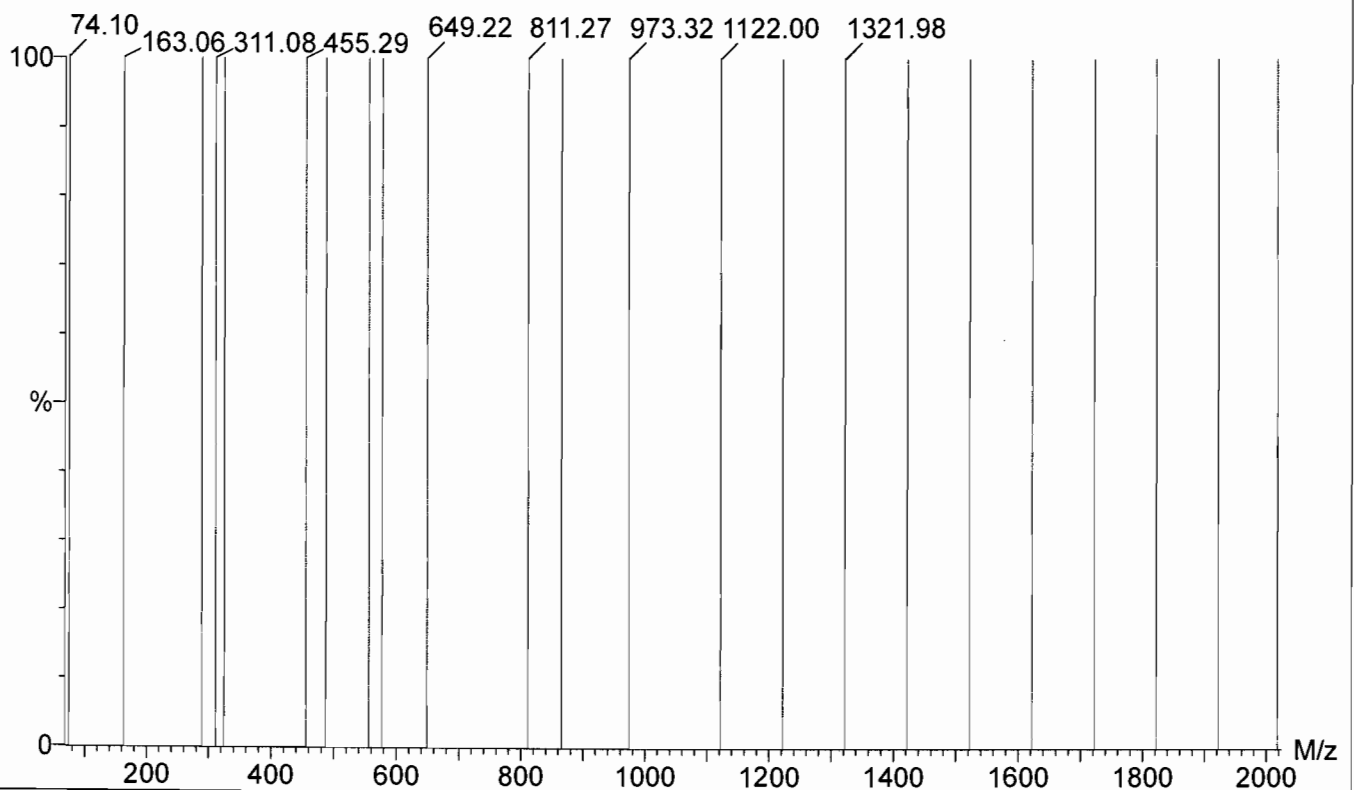
Data file: STATMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

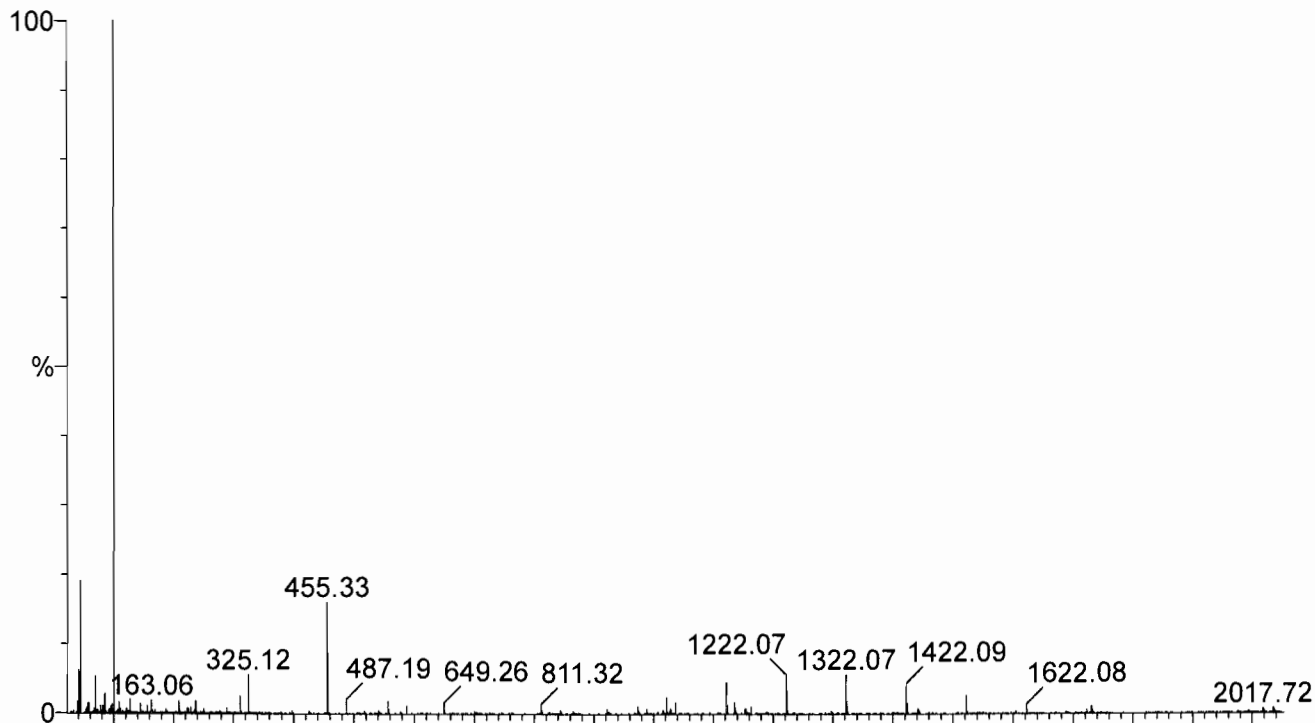
Mean residual = 0.0819 amu



Printed: Thu Oct 25 08:38:29 2018

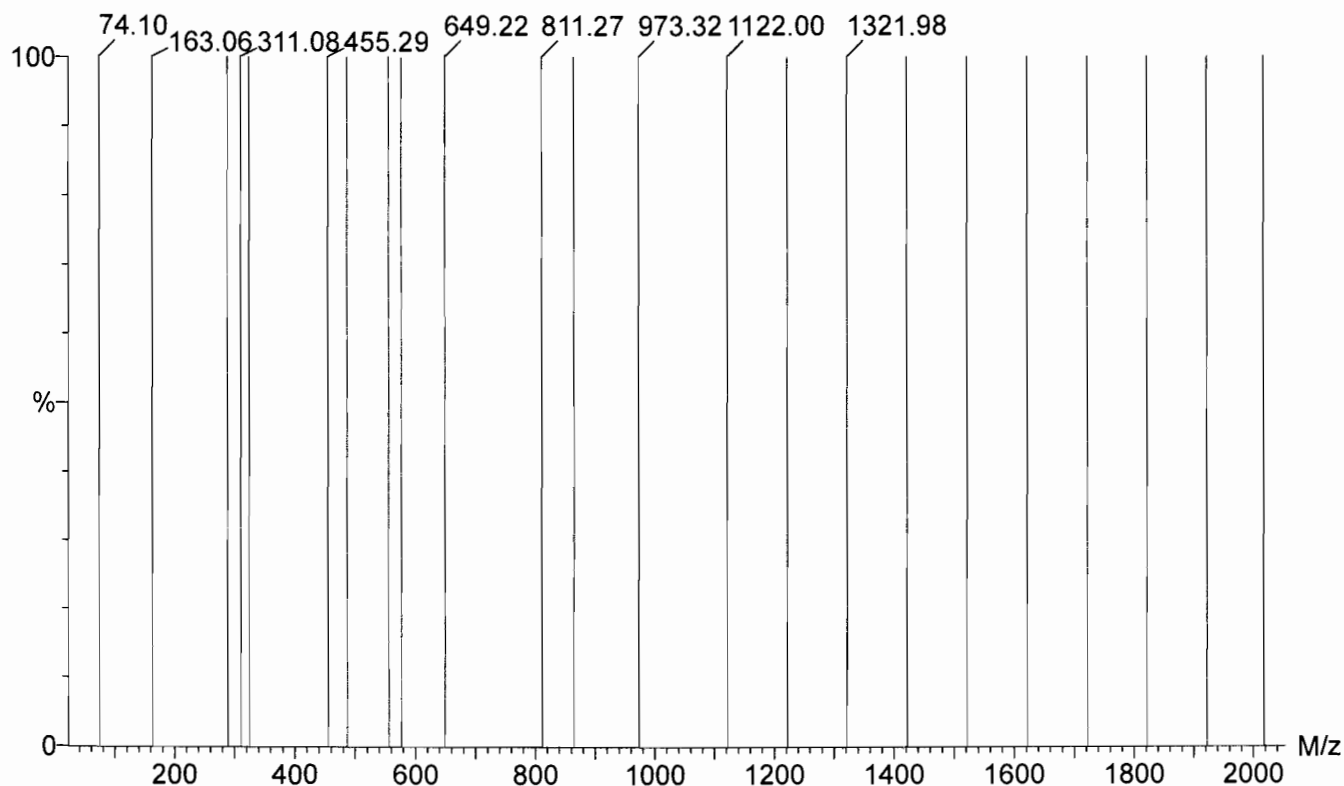
Data file: SCNMS2V - Calibrated

23 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

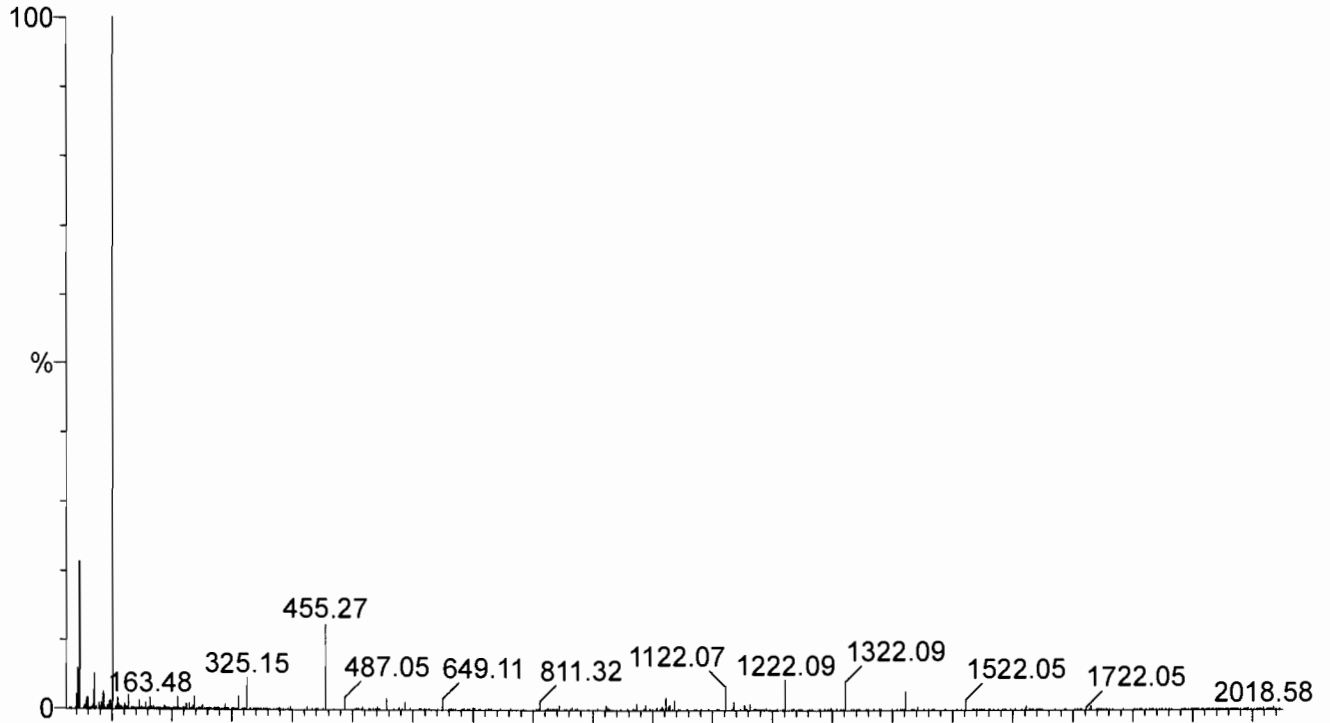
Mean residual = 0.063 amu



Printed: Thu Oct 25 08:39:54 2018

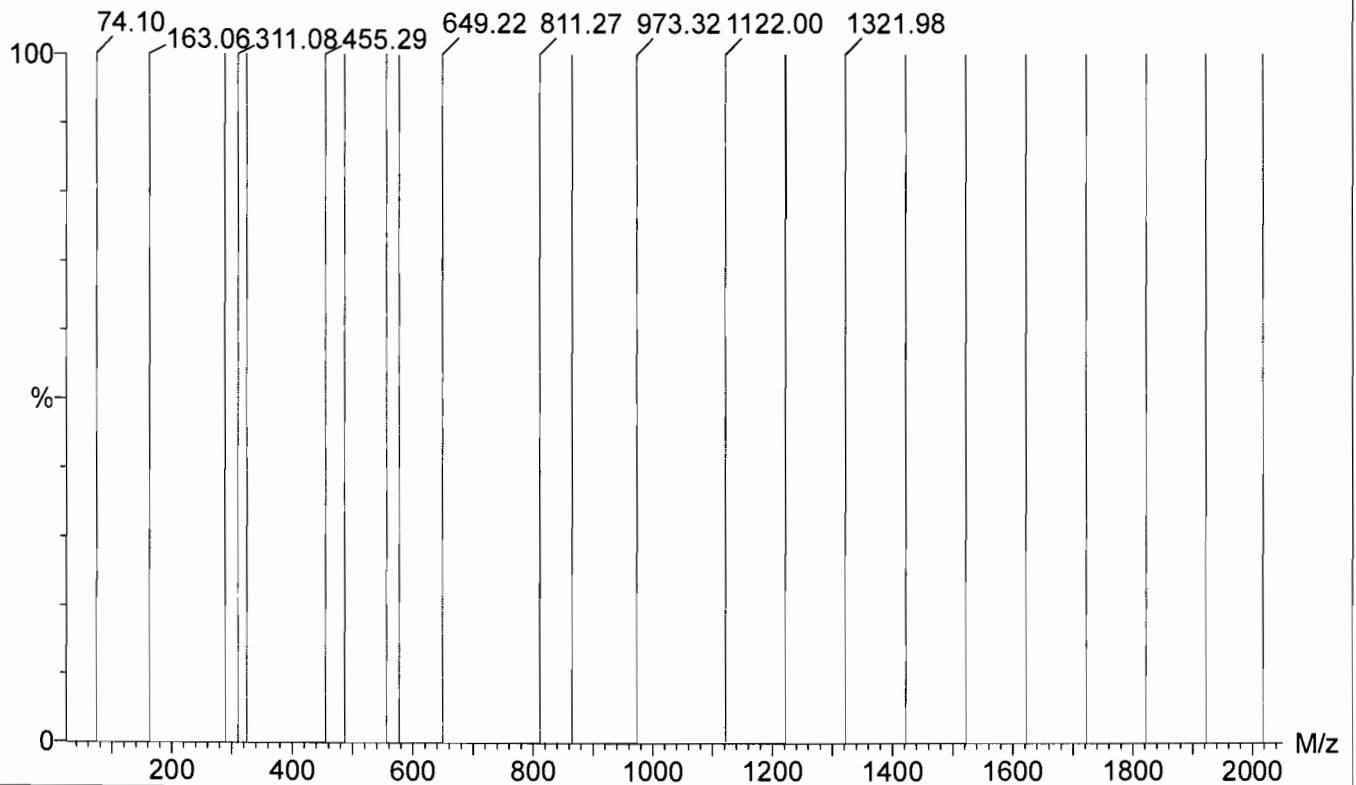
Data file: FASTMS2V - Calibrated

22 matches of 23 tested references



Reference: c:\masslynx\ref\ESI Calibration TQ ResCal.ref

Mean residual = 0.138 amu



**DATA VALIDATION SUMMARY REPORT
NAS OCEANA, VIRGINIA BEACH, VIRGINIA**

Client: CH2M HILL, Inc., Virginia Beach, Virginia
SDG: 1803339
Laboratory: Vista Analytical Laboratory, El Dorado Hills, California
Site: NAS Oceana, Virginia Beach, Virginia, CTO-WE14
Date: November 12, 2018

PFCs			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	OC-RW13-1018	1803339-01	Water
2	OC-FB13-1018	1803339-02	Water

A full data validation was performed on the analytical data for one water sample and one aqueous field blank sample collected on October 15, 2018 by CH2M HILL at the NAS Oceana site in Virginia Beach, Virginia. The samples were analyzed under the EPA Method "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)".

Specific method references are as follows:

Analysis
PFCs

Method References
USEPA Method 537 Modified

The data have been validated according to the protocols and quality control (QC) requirements of the analytical method, and the U.S. Department of Defense (DoD) Quality Systems Manual (QSM), Version 5.0 (July 2013) and the USEPA National Functional Guidelines for Organic Data Review as follows:

- The USEPA "Contract Laboratories Program National Functional Guidelines for Organic Superfund Methods Data Review," January 2017;
- and the reviewer's professional judgment.

The following data quality indicators were reviewed for this report:

Organics

- Date Completeness, Case Narrative & Custody Documentation
- Holding times
- Initial and continuing calibration summaries
- Method blank and field QC blank contamination
- Internal Standards

- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) recoveries
- Target Compound Identification
- Compound Quantitation
- Field Duplicate sample precision

A full (Level IV) data validation was performed with this review including a recalculation of 10% of the detected results in the samples.

Data Usability Assessment

There were no rejections of data.

Overall the data is acceptable for the intended purposes. There were no qualifications.

Perfluorinated Compounds (PFCs)

Data Completeness, Case Narrative & Custody Documentation

- The case narrative and chain-of-custody documentation were included in the data package as required.

Holding Times

- All samples were extracted within 14 days for water samples and analyzed within 28 days.

Initial Calibration

- All percent difference (%D) and/or correlation coefficients criteria were met.

Continuing Calibration

- All percent recovery (%R) criteria were met.

Method Blank

- The method blanks were free of contamination.

Field QC Blank

- The field blank samples were free of contamination.

Blank ID	Compound	Conc. ng/L	Qualifier	Affected Samples
OC-FB13-1018	None - ND	-	-	-

Internal Standards

- All criteria were met.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS)

- The LCS samples exhibited acceptable percent recoveries (%R).

Target Compound Identification

- All mass spectra and quantitation criteria were met.

Compound Quantitation

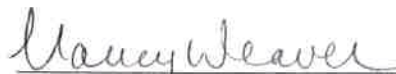
- All criteria were met.

Field Duplicate Sample Precision

- Field duplicate samples were not collected.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed:



Nancy Weaver
Senior Chemist

Dated: 11/13/18

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
NJ	The analysis has been "tentatively identified" or "presumptively" as present and the associated numerical value is the estimated concentration in the samples.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.



Sample ID: OC-RW13-1018

PFAS Isotope Dilution Method

Client Data		Laboratory Data	
Name: CH2M Hill	Matrix: Drinking Water	Lab Sample: 1803339-01	Column: BEH C18
Project: 678440.SI.SI.01	Date Collected: 15-Oct-18 09:52	Date Received: 16-Oct-18 09:45	

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHpA	375-85-9	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFHxS	355-46-4	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOA	335-67-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFOS	1763-23-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
PFNA	375-95-1	ND	2.81	4.10	8.21		B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBS	IS	100	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	
13C4-PFHpA	IS	99.4	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	
18O2-PFHxS	IS	98.5	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	
13C2-PFOA	IS	95.5	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	
13C8-PFOS	IS	99.3	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	
13C5-PFNA	IS	99.1	50 - 150			B8J0158	18-Oct-18	0.122 L	25-Oct-18 09:51	1	

DL - Detection Limit
 LOD - Limit of Detection
 LOQ - Limit of quantitation
 Results reported to the DL.
 When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

NW 11/21/18

Sample ID: OC-FB13-1018

PFAS Isotope Dilution Method

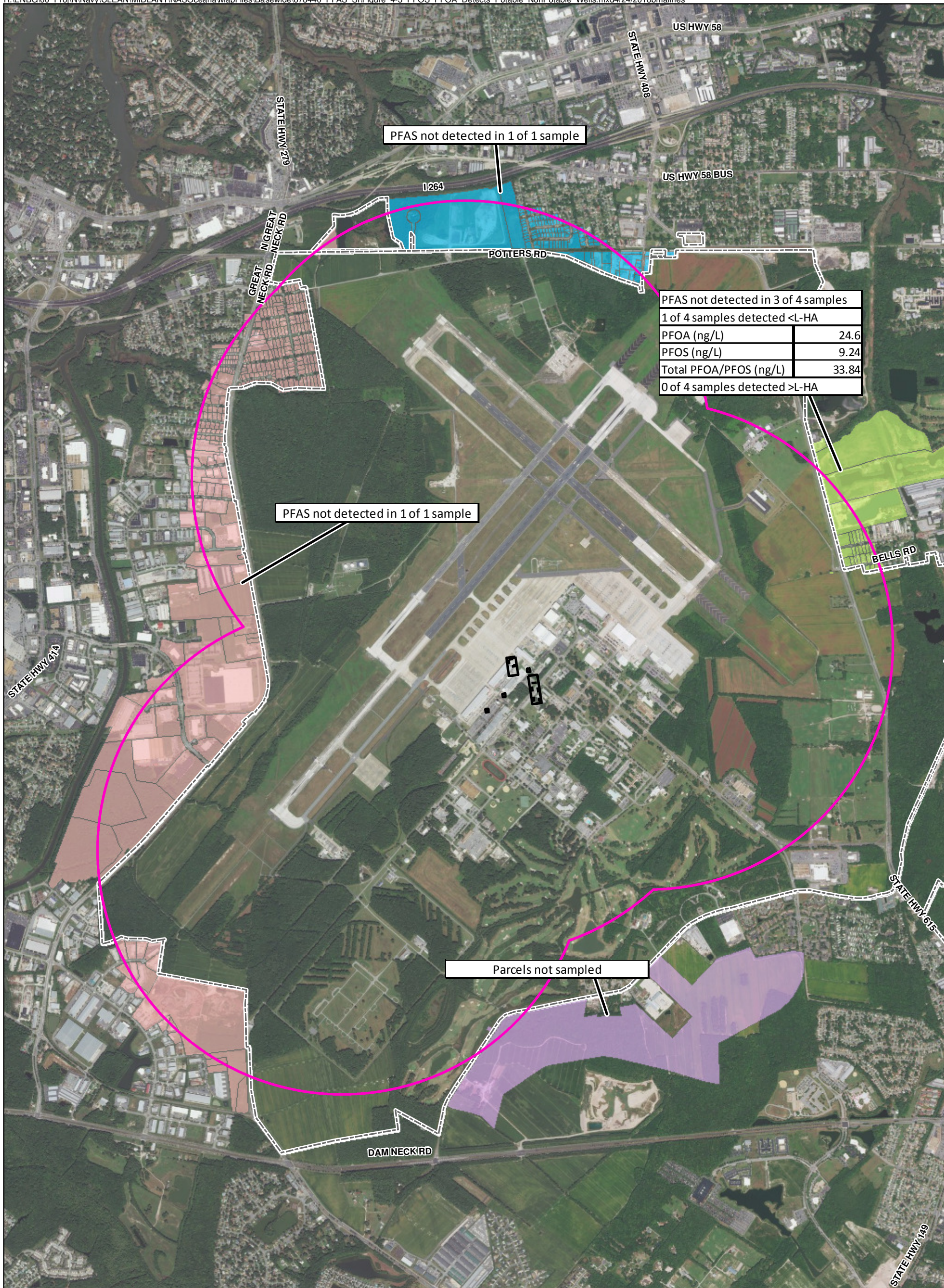
Client Data		Matrix:		Laboratory Data	
Name:	CH2M Hill	Drinking Water		Lab Sample:	1803339-02
Project:	678440.SI.SI.01	Date Collected:	15-Oct-18 09:54	Date Received:	16-Oct-18 09:45
				Column:	BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	375-73-5	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHpA	375-85-9	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFHxS	355-46-4	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOA	335-67-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFOS	1763-23-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
PFNA	375-95-1	ND	2.75	4.00	8.02		B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
Labeled Standards		% Recovery	DL	Limits	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C4-PFHpA	IS	99.5		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
18O2-PFHxS	IS	102		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C2-PFOA	IS	90.0		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C8-PFOS	IS	91.5		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1
13C5-PFNA	IS	82.1		50 - 150			B8J0158	18-Oct-18	0.125 L	25-Oct-18 10:25	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

NW 11/2/18



- Legend**
- Non-Core Target Treatment Area (2004)
 - - Core Target Treatment Area (2004) (Core)
 - █ Sampling Area
 - ▭ Installation Boundary
- Off-Base Parcels**
- █ East
 - █ North
 - █ South
 - █ West

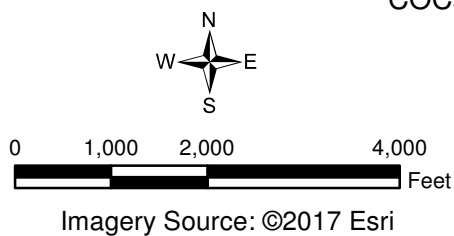


Figure 4-3
COCs Detections in Potable Wells Sampled from Parcels Located Off-Base
Basewide Per- and Polyfluoroalkyl Substances Site Inspection Report
NAS Oceana, Virginia Beach, Virginia